

103

# MILITARY CONSTRUCTION APPROPRIATIONS FOR 1994

Y 4. AP 6/1: M 59/6/994/

PT. 1

Military Construction Appropriation...

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MAY 24 1993

BEFORE A

## SUBCOMMITTEE OF THE COMMITTEE ON APPROPRIATIONS HOUSE OF REPRESENTATIVES ONE HUNDRED THIRD CONGRESS FIRST SESSION

### SUBCOMMITTEE ON MILITARY CONSTRUCTION APPROPRIATIONS

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### PART 1

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## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (5 THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
ALABAMA		
ARMY		
ANNISTON ARMY DEPOT		
AMMUNITION DEMILITARIZATION FAC PH IV	110,900	
ANNISTON ARMY DEPOT		110,900
FORT RUCKER		
OPERATIONS FACILITY	1,150	
PETROLEUM LAB AND FUEL STORAGE	5,800	
WHOLE BARRACKS RENEWAL	20,000	
FORT RUCKER		26,950
		-----
**ARMY		137,850
AIR FORCE		
GUNTER AFB		
CHILD DEVELOPMENT CENTER	2,700	
EMERGENCY POWER GENERATOR PLANT	1,200	
HAZARDOUS WASTE ACCUMULATION FACILITY	310	
SPILL CONTAINMENT CONTROLS	470	
GUNTER AFB		4,680
MAXWELL AFB		
AIR FORCE QUALITY CENTER	4,650	
*EXTEND RUNWAY/UPGRADE	9,200	
SPILL CONTAINMENT CONTROLS	970	
TAXIWAY/RAMP	3,800	
UNDERGROUND FUEL STORAGE TANKS	1,700	
UPGRADE UTILITY SYSTEMS, PHASE 1	5,050	
MAXWELL AFB		25,370
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(9,200)
		-----
**AIR FORCE		30,050
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(9,200)
DOD DEPENDENT SCHOOLS		
FORT MCCLELLAN		
FT MCCLELLAN ELEM SCHOOL ADDN	2,798	
FORT MCCLELLAN		2,798
ARMY NATIONAL GUARD		
EGLIN AIR FORCE BASE (FL)		
RANGE, MULTIPURPOSE COMPLEX (MPRC)	3,825	
EGLIN AIR FORCE BASE (FL)		3,825
MOBILE		
ORGANIZATIONAL MAINT SHOP	502	
MOBILE		502
		-----
**ARMY NATIONAL GUARD		4,327
AIR NATIONAL GUARD		
ABSTON ANG STATION		
COMMUNICATIONS & ELECTRONICS TRAINING FAC	693	
ABSTON ANG STATION		693
BIRMINGHAM MAP		
AIRCRAFT MAINTENANCE HANGAR	5,500	
FUEL CELL DOCK	4,400	
BIRMINGHAM MAP		9,900
DANIELLY FIELD		
VEHICLE MAINTENANCE COMPLEX	1,750	
DANIELLY FIELD		1,750
		-----
**AIR NATIONAL GUARD		12,343

\* AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PROJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
<b>ALABAMA</b>			
ARMY RESERVE			
BIRMINGHAM			
BATTLE PROJECTION CENTER		4,719	
BIRMINGHAM			4,719
***FAMILY HOUSING***			
AIR FORCE			
MAXWELL AFB			
FAMILY HOUSING (55 UNITS)		(4,080)	
MAXWELL AFB			
FAMILY HOUSING			(4,080)
**ALABAMA			192,087
AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR			(9,200)
FAMILY HOUSING			(4,080)
<b>ALASKA</b>			
AIR FORCE			
CAPE ROMANZOV AFS			
REPLACE TRAMWAY SYSTEM		3,350	
CAPE ROMANZOV AFS			3,350
EIELSON AFB			
CHILD DEVELOPMENT CENTER		5,400	
FIRE TRAINING FACILITY		2,400	
EIELSON AFB			7,800
ELMENDORF AFB			
ADD TO SANITARY SEWER SYSTEM		5,100	
CHILD DEVELOPMENT CENTER		5,070	
CORROSION CONTROL FACILITY		5,975	
DINING FACILITY		6,800	
HAZARDOUS WASTE STORAGE FACILITY		3,900	
MUNITIONS EQUIPMENT FACILITY		1,860	
MUNITIONS MAINTENANCE FACILITY		2,100	
ELMENDORF AFB			30,805
**AIR FORCE			41,955
DEFENSE LOGISTICS AGENCY			
DEF REUTILIZATION & MKTG OPC FAIRBANKS			
COVERED STORAGE		6,500	
DEF REUTILIZATION & MKTG OPC FAIRBANKS			6,500
DEFENSE MEDICAL SUPPORT ACTIVITY			
ELMENDORF AIR FORCE BASE			
HOSPITAL REPLACEMENT PHASE II		135,000	
ELMENDORF AIR FORCE BASE			135,000
AIR NATIONAL GUARD			
KULIS ANG			
REPLACE UNDERGROUND STORAGE TANKS		1,100	
KULIS ANG			1,100
ARMY RESERVE			
FORT RICHARDSON			
ADD/ALT USARC/OMS/DS-GS/AMSA/STORAGE		10,324	
FORT RICHARDSON			10,324
**ALASKA			194,879
<b>ARIZONA</b>			
ARMY			
FORT HUACHUCA			
BATTALION HEADQUARTERS		4,600	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES  
INSIDE THE UNITED STATES  
(\$ THOUSANDS)

STATE/COMP./INSTALLATION	PROJECT NAME-----	PROJ COST	TOTAL
<b>ARIZONA</b>			
<b>ARMY</b>			
	FORT HUACHUCA		
	GENERAL PURPOSE ADMINISTRATIVE FACILITY	4,050	
	FORT HUACHUCA		8,850
<b>AIR FORCE</b>			
	DAVIS-MONTHAN AFB		
	UNDERGROUND FUEL STORAGE TANKS	650	
	DAVIS-MONTHAN AFB		650
	LUKE AFB		
	DINING FACILITY	4,700	
	FIRE TRAINING FACILITY	800	
	UNDERGROUND FUEL STORAGE TANKS	1,250	
	LUKE AFB		6,750
	NAVAJO ARMY DEPOT		
	ALTER MINUTEMAN II STORAGE FACILITIES	7,250	
	NAVAJO ARMY DEPOT		7,250
	<b>**AIR FORCE</b>		14,650
<b>AIR NATIONAL GUARD</b>			
	TUCSON IAP		
	ADD TO AND ALTER COMMUNICATIONS FACILITY	700	
	REPLACE UNDERGROUND STORAGE TANKS	440	
	TUCSON IAP		1,140
	<b>**ARIZONA</b>		24,640
<b>ARKANSAS</b>			
<b>AIR FORCE</b>			
	LITTLE ROCK AFB		
	ADAL ENGINE INSP & REPAIR SHOP - DBOF T	1,200	
	ADD & ALTER CHILD DEVELOPMENT CTR - DBOF	2,250	
	ALTER JRTC OPERATIONS CENTER	1,050	
	LITTLE ROCK AFB		4,500
<b>ARMY NATIONAL GUARD</b>			
	CAMP ROBINSON		
	ARMORY	3,205	
	RANGE, MODIFIED RECORD FIRE	907	
	TRNG SITE, SEWER IMPROV	4,223	
	TRNG SITE, UTILITIES RENOV	1,275	
	CAMP ROBINSON		9,610
<b>AIR NATIONAL GUARD</b>			
	LITTLE ROCK AFB		
	AIRCREW TRAINING FACILITY	3,750	
	LITTLE ROCK AFB		3,750
	FT SMITH MAP		
	AIRCRAFT CORROSION CONTROL FACILITY	1,100	
	FT SMITH MAP		1,100
	<b>**AIR NATIONAL GUARD</b>		4,850
<b>***FAMILY HOUSING***</b>			
<b>AIR FORCE</b>			
	LITTLE ROCK AFB		
	HOUSING OFFICE AND MAINTENANCE FACILITY	(980)	
	LITTLE ROCK AFB		
	FAMILY HOUSING		(980)
	<b>**ARKANSAS</b>		18,960
	FAMILY HOUSING		(980)

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----		
CALIFORNIA		
ARMY		
FT IRWIN		
WHOLE BARRACKS RENEWAL	5,900	
FT IRWIN		5,900
NAVY		
ALAMEDA NAVAL AIR STATION		
CONTROL TOWER COMPLEX	4,700	
ALAMEDA NAVAL AIR STATION		4,700
BARSTOW MARINE CORPS LOGISTICS BASE		
INDUSTRIAL WASTE TREATMENT PLANT	8,690	
BARSTOW MARINE CORPS LOGISTICS BASE		8,690
CAMP PENDLETON MARINE CORPS AIR STATION		
RADAR AIR TRAFFIC CONTROL FACILITY ADDN	3,850	
CAMP PENDLETON MARINE CORPS AIR STATION		3,850
CAMP PENDLETON MARINE CORPS BASE		
ARMORY	480	
AUTOMATED FIELD FIRING RANGE	1,340	
SEWERAGE FACILITY	7,930	
WATER DISTRIBUTION SYSTEM IMPROVEMENTS	1,380	
CAMP PENDLETON MARINE CORPS BASE		11,130
EL TORO MARINE CORPS AIR STATION		
MAINTENANCE HANGAR ADDITION	1,950	
EL TORO MARINE CORPS AIR STATION		1,950
FALLBROOK NAVAL WEAPONS STATION ANNEX		
HARM MISSILE MAGAZINES - DBOF	4,630	
FALLBROOK NAVAL WEAPONS STATION ANNEX		4,630
LEMOORE NAVAL AIR STATION		
FIRE FIGHTING TRAINING FACILITY	1,930	
LEMOORE NAVAL AIR STATION		1,930
SAN DIEGO FLEET & INDUSTRIAL SUPPLY CENTER		
FIRE PROTECTION SYSTEMS - DBOF	2,270	
SAN DIEGO FLEET & INDUSTRIAL SUPPLY CENTER		2,270
SAN DIEGO MARINE CORPS RECRUIT DEPOT		
WAREHOUSE	1,130	
SAN DIEGO MARINE CORPS RECRUIT DEPOT		1,130
SAN DIEGO NAVAL HOSPITAL		
CHILD DEVELOPMENT CENTER	2,700	
SAN DIEGO NAVAL HOSPITAL		2,700
SAN DIEGO NAVAL TRAINING CENTER		
FIRE PROTECTION SYSTEM	700	
SAN DIEGO NAVAL TRAINING CENTER		700
TWENTYNINE PALMS MARCORP AIR-GRND COMB CTR		
ACADEMIC INSTRUCTION BUILDING ADDITION	600	
ANTI-ARMOR TRACKING RANGE MODERNIZATION	3,940	
ARMORY	3,360	
TWENTYNINE PALMS MARCORP AIR-GRND COMB CTR		7,900
**NAVY		51,580
AIR FORCE		
EDWARDS AFB		
CHILD DEVELOPMENT CENTER	5,900	
UNDERGROUND FUEL STORAGE TANKS	5,400	
EDWARDS AFB		11,300

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PROJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
<b>CALIFORNIA</b>			
<b>AIR FORCE</b>			
MCCLELLAN AFB			
	FIRE PROTECTION ACFT FACILITIES - DBOF	1,900	
	MCCLELLAN AFB		1,900
<b>TRAVIS AFB</b>			
	AIRCRAFT GENERAL PURPOSE MAINTENANCE SHOP	11,200	
	UNDERGROUND FUEL STORAGE TANKS - DBOF T	2,840	
	TRAVIS AFB		14,040
<b>VANDENBERG AFB</b>			
	HARDWARE STORAGE FACILITY	3,500	
	SLFI-TPQ-18 RADAR FACILITY	2,408	
	SLFI-UPGRADE FIRE PROTECTION SYSTEM	1,600	
	UNDERGROUND FUEL STORAGE TANKS	1,700	
	UPGRADE ELECTRICAL SYSTEM	11,520	
	VANDENBERG AFB		20,728
<b>**AIR FORCE</b>			
<b>DEFENSE LOGISTICS AGENCY</b>			
	DEFENSE REUTIL AND MARKTING OFC MARCH AFB		
	DRMO RELOCATION	630	
	DEFENSE REUTIL AND MARKTING OFC MARCH AFB		630
<b>DEFENSE MEDICAL SUPPORT ACTIVITY</b>			
	EDWARDS AIR FORCE BASE		
	LIFE SAFETY UPGRADE	1,700	
	EDWARDS AIR FORCE BASE		1,700
<b>AIR NATIONAL GUARD</b>			
	FRESNO ANGB		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	490	
	FRESNO ANGB		490
<b>ONTARIO INTERNATIONAL AIRPORT (ANG)</b>			
	REPLACE UNDERGROUND FUEL STORAGE TANKS	310	
	ONTARIO INTERNATIONAL AIRPORT (ANG)		310
<b>**AIR NATIONAL GUARD</b>			
<b>NAVY RESERVE</b>			
	NAVAL STATION SAN DIEGO		
	CBU FACILITY	1,000	
	NAVAL STATION SAN DIEGO		1,000
<b>AIR FORCE RESERVE</b>			
	TRAVIS AFB		
	AERIAL PORT TRAINING FACILITY	3,050	
	ALTER RESERVE OPERATIONS AND TRAINING FAC	4,000	
	TRAVIS AFB		7,050
<b>***FAMILY HOUSING***</b>			
<b>ARMY</b>			
	FORT IRWIN		
	NEW CONSTRUCTION (220)	{25,000}	
	FORT IRWIN		
	FAMILY HOUSING		{25,000}
<b>NAVY</b>			
	PUBLIC WORKS CENTER SAN DIEGO		
	NEW CONSTRUCTION (318 HOMES)	{36,571}	
	PUBLIC WORKS CENTER SAN DIEGO		
	FAMILY HOUSING		{36,571}



## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PRCJ COST	TOTAL
-----PROJECT NAME-----	-----	-----
CALIFORNIA		
AIR FORCE		
VANDENBERG AFB		
FAMILY HOUSING (166 UNITS)	(21,907)	
VANDENBERG AFB		
FAMILY HOUSING		(21,907)
		-----
**CALIFORNIA		116,628
FAMILY HOUSING		(83,478)
COLORADO		
ARMY		
FORT CARSON		
RANGE CONTROL FACILITY	4,050	
FORT CARSON		4,050
AIR FORCE		
BUCKLEY ANG BASE		
COMMUNICATION DATA PROCESSING FACILITY	39,000	
BUCKLEY ANG BASE		39,000
CHEYENNE MT COMPLEX AFB		
UPGRADE ELECTRICAL SERVICE	4,450	
CHEYENNE MT COMPLEX AFB		4,450
PETERSON AFB		
ADD TO AND ALTER INTEGRATION SUPPORT FAC	16,400	
PRECISION MEASUREMENT EQUIPMENT LABORATORY	2,200	
TEST AND EVALUATION SUPPORT FACILITY	2,430	
PETERSON AFB		21,030
US AIR FORCE ACADEMY		
ADAL WASTEWATER TREATMENT PLANT	7,100	
ENHANCED FLIGHT SCREENER HANGARS	3,800	
UNDERGROUND FUEL STORAGE TANKS	780	
US AIR FORCE ACADEMY		11,680
		-----
**AIR FORCE		76,160
AIR NATIONAL GUARD		
BUCKLEY ANG		
F-16 WEAPONS RELEASE SHOP	1,300	
BUCKLEY ANG		1,300
AIR FORCE RESERVE		
PETERSON AFB		
ORGANIZATIONAL MAINTENANCE SUPPORT FAC	1,200	
PETERSON AFB		1,200
		-----
**COLORADO		82,710
CONNECTICUT		
NAVY		
NEW LONDON NAVAL SUBMARINE BASE		
BACHELOR ENLISTED QUARTERS MODERNIZATION	14,800	
ELECTRICAL DISTRIBUTION IMPROVEMENTS	8,190	
HAZARDOUS WASTE TRANSFER FACILITY	1,450	
INDUSTRIAL WASTE TREATMENT FACILITY	5,700	
STEAM TURBINE GENERATOR	6,600	
NEW LONDON NAVAL SUBMARINE BASE		36,740
AIR NATIONAL GUARD		
BRADLEY FIELD		
ADD TO AND ALTER BASE CIVIL ENGINEER FAC	510	
BRADLEY FIELD		510
		-----
**CONNECTICUT		37,250

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
DELAWARE			
AIR FORCE			
DOVER AFB			
	ADD TO AND ALTER DINNING FACILITY - DBOF	2,500	
	DORMITORY - DBOF	3,200	
	INSTALL EMISSION CONTROL DEVICES	860	
	DOVER AFB		6,560
AIR NATIONAL GUARD			
	GREATER WILMINGTON AIRPORT		
	COMMUNICATIONS FACILITY	900	
	REPLACE UNDERGROUND FUEL STORAGE TANKS	890	
	GREATER WILMINGTON AIRPORT		1,790
**DELAWARE			8,350
DISTRICT OF COLUMBIA			
NAVY			
	WASHINGTON COMMANDANT NAVAL DISTRICT		
	CHILD DEVELOPMENT CENTER	1,480	
	FIRE PROTECTION SYSTEM	1,630	
	WASHINGTON COMMANDANT NAVAL DISTRICT		3,110
	WASHINGTON NAVAL RESEARCH LABORATORY		
	NAVAL CENTER FOR SPACE TECHNOLOGY	1,980	
	SPECIAL PROJECTS BUILDING	400	
	WASHINGTON NAVAL RESEARCH LABORATORY		2,380
**NAVY			5,490
AIR FORCE			
	BOLLING AIR FORCE BASE		
	ADD TO CHILD DEVELOPMENT CENTER	2,000	
	BOLLING AIR FORCE BASE		2,000
***FAMILY HOUSING***			
NAVY			
	PUBLIC WORKS CENTER WASHINGTON DC		
	NEW CONSTRUCTION (188 HOMES)	(21,556)	
	PUBLIC WORKS CENTER WASHINGTON DC		
	FAMILY HOUSING		(21,556)
**DISTRICT OF COLUMBIA			7,490
FAMILY HOUSING			(21,556)
FLORIDA			
NAVY			
	CECIL FIELD NAVAL AIR STATION		
	SANITARY WASTEWATER SYSTEM UPGRADE	1,500	
	CECIL FIELD NAVAL AIR STATION		1,500
	JACKSONVILLE NAVAL AIR STATION		
	BACHELOR ENLISTED QUARTERS	13,800	
	HELICOPTER WASH AND RINSE FACILITY	620	
	JACKSONVILLE NAVAL AIR STATION		14,420
	MAYPORT NAVAL STATION		
	AIR EMISSIONS CONTROL	3,260	
	MAYPORT NAVAL STATION		3,260
	PENSACOLA NAVAL AIR STATION		
	RADAR AIR TRAFFIC CONTROL CENTER	1,880	
	WATER SURVIVAL TRAINING FACILITY	4,540	
	PENSACOLA NAVAL AIR STATION		6,420
**NAVY			25,600

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES  
INSIDE THE UNITED STATES  
(\$ THOUSANDS)

STATE/COMP./INSTALLATION -----PROJECT NAME-----	PROJ COST	TOTAL
<b>FLORIDA</b>		
<b>AIR FORCE</b>		
CAPE CANAVERAL AFS		
SEWAGE TREATMENT PLANT	11,900	
SLFI-BACKUP POWER	800	
SLFI-BACKUP POWER	2,500	
SLFI-UPGRADE WATER SUPPLY MAINS	1,200	
UNDERGROUND FUEL STORAGE TANKS	400	
UPGRADE FIRE SYSTEM	2,400	
CAPE CANAVERAL AFS		19,200
<b>EGLIN AFB</b>		
AIRCRAFT ENGINE TEST FACILITY	1,600	
RENOVATE CLIMATIC TEST CHAMBER PHASE II	57,000	
REPLACE POL PIPELINE	3,300	
UPGRADE HYDRANT FUELING SYSTEM	4,550	
VEHICLE MAINTENANCE/WAREHOUSE FACILITIES	2,600	
EGLIN AFB		69,050
<b>EGLIN AFB AUXILIARY FIELD 9</b>		
ADD TO AND ALTER DORMITORIES	4,479	
UPGRADE SANITARY SEWAGE SYSTEMS	1,750	
UPGRADE STORM SEWAGE SYSTEM	1,600	
EGLIN AFB AUXILIARY FIELD 9		7,829
<b>PATRICK AFB</b>		
ALTER MAINTENANCE HANGAR	2,000	
UNDERGROUND FUEL STORAGE TANKS	1,850	
PATRICK AFB		3,850
<b>TYNDALL AFB</b>		
BASE SUPPLY LOGISTICS CENTER	2,600	
TYNDALL AFB		2,600
<b>**AIR FORCE</b>		<b>102,529</b>
<b>SPECIAL OPERATIONS COMMAND</b>		
EGLIN AUX FIELD 9		
ADD TO SUPPLY/WRSK	1,502	
ALTER AVIONICS SHOP-M	4,500	
MH60G HELO HANGER (H)	5,700	
MUNITIONS MAINT FAC-M	2,550	
SON OPS MC130 (H)	2,750	
SON OPS MH60G(150W)-H	2,250	
WEAPONS MX FAC ADD(H)	330	
EGLIN AUX FIELD 9		19,582
<b>AIR NATIONAL GUARD</b>		
JACKSONVILLE IAP		
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,150	
JACKSONVILLE IAP		1,150
<b>AIR FORCE RESERVE</b>		
MACDILL AFB		
AEROMEDICAL EVACUATION FACILITY	750	
MACDILL AFB		750
<b>***FAMILY HOUSING***</b>		
<b>NAVY</b>		
PUBLIC WORKS CENTER PENSACOLA		
NEW CONSTRUCTION (SELF HELP/WAREHOUSE)	(300)	
PUBLIC WORKS CENTER PENSACOLA		
FAMILY HOUSING		(300)
<b>AIR FORCE</b>		
PATRICK AFB		
FAMILY HOUSING (155 UNITS)	(15,388)	
PATRICK AFB		
FAMILY HOUSING		(15,388)

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
<b>FLORIDA</b>			
<b>AIR FORCE</b>			
TYNDALL AFB	INFRASTRUCTURE	(5,732)	
TYNDALL AFB	FAMILY HOUSING		(5,732)
<b>**AIR FORCE</b>			
	FAMILY HOUSING		(21,120)
<b>**FLORIDA</b>			
	FAMILY HOUSING		149,611 (21,420)
<b>GEORGIA</b>			
<b>ARMY</b>			
FORT BENNING	BARRACKS MODERNIZATION	18,500	
	MULTIPURPOSE MACHINE GUN RANGE	1,650	
	WHOLE BARRACKS RENEWAL	17,500	37,650
	FORT BENNING		
FT STEWART/HUNTER AAF	CARGO HANDLING FACILITY	4,500	
	EXPAND AMMUNITION STORAGE AREA	3,600	
	HARDSTAND	8,700	
	RAILROAD TRACK IMPROVEMENT	2,000	18,800
	FT STEWART/HUNTER AAF		
<b>**ARMY</b>			
			56,450
<b>NAVY</b>			
ALBANY MARINE CORPS LOGISTICS BASE	CHILD DEVELOPMENT CENTER	940	940
	ALBANY MARINE CORPS LOGISTICS BASE		
KINGS BAY NAVAL SUBMARINE BASE	DIKES	3,730	
	UTILITIES AND SITE IMPROVEMENTS	7,190	10,920
	KINGS BAY NAVAL SUBMARINE BASE		
KINGS BAY TRIDENT TRAINING FACILITY	FIRE FIGHTING TRAINING FACILITY	3,870	3,870
	KINGS BAY TRIDENT TRAINING FACILITY		
<b>**NAVY</b>			
			15,730
<b>AIR FORCE</b>			
AIR COMBAT COMMAND	J-STARS ADD TO AND ALTER MAINT COMPLEX	9,300	
	J-STARS ADD TO AND ALTER OPERATIONS COMPLEX	4,100	
	J-STARS ADD TO AND ALTER UTILITIES	3,500	
	J-STARS SQUADRON OPERATIONS/AMU	7,500	
	ADAL LOGISTICAL SYSTEMS OPERATIONS CENTER	3,000	
	ADD TO ALTER DORMITORIES - DBOP	4,300	
	AIRCRAFT SUPPORT EQUIPMENT PAINT FACILITY	970	
	UPGD INDSTRL WASTEWATER TRTMT & DSPSL PLT	10,700	43,370
	AIR COMBAT COMMAND		
<b>DOD DEPENDENT SCHOOLS</b>			
ROBINS AFB	LINWOOD ELEM SCHOOL ADDN	1,580	
	ROBINS ELEM SCHOOL ADDN	1,580	3,160
	ROBINS AFB		
<b>AIR NATIONAL GUARD</b>			
DOBBS AFB	PETROLEUM OPERATIONS COMPLEX	600	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES ( \$ THOUSANDS )		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
<b>GEORGIA</b>			
<b>AIR NATIONAL GUARD</b>			
DOBBINS AFB	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,150	1,750
DOBBINS AFB			
LEWIS B. WILSON AIRPORT (ANG)	REPLACE UNDERGROUND FUEL STORAGE TANKS	340	340
LEWIS B. WILSON AIRPORT (ANG)			
MCCOLLUM ANG STATION	REPLACE UNDERGROUND FUEL STORAGE TANKS	315	315
MCCOLLUM ANG STATION			
SAVANNAH ANG COMMUNICATIONS STATION	REPLACE UNDERGROUND FUEL STORAGE TANKS	330	330
SAVANNAH ANG COMMUNICATIONS STATION			
SAVANNAH COMBAT READINESS TRAINING SITE	FIRE DETECTION AND SUPPRESSION SYSTEMS	1,650	
	REPLACE UNDERGROUND FUEL STORAGE TANKS	315	1,965
SAVANNAH COMBAT READINESS TRAINING SITE			
SAVANNAH MAP	REFUELING VEHICLE PARKING AND OPS COMPLEX	990	990
SAVANNAH MAP			
			<b>5,690</b>
<b>**AIR NATIONAL GUARD</b>			
<b>***FAMILY HOUSING***</b>			
<b>NAVY</b>			
NAVAL SUBMARINE SUPPORT BASE KINGS BAY	NEW CONSTRUCTION (CMM CNTR/SELF HLP/HMSE)	{790}	
NAVAL SUBMARINE SUPPORT BASE KINGS BAY	FAMILY HOUSING		{790}
<b>AIR FORCE</b>			
ROBINS AFB	FAMILY HOUSING (118 UNITS)	{7,424}	
ROBINS AFB	FAMILY HOUSING		{7,424}
			<b>124,400</b>
<b>**GEORGIA</b>			<b>{8,214}</b>
<b>HAWAII</b>			
<b>ARMY</b>			
SCHOFIELD BARRACKS	MULTI-PURPOSE FAMILY SERVICE CENTER	16,000	
	OPERATIONS FACILITY	2,600	18,600
SCHOFIELD BARRACKS			
<b>NAVY</b>			
BARBERS POINT NAVAL AIR STATION	CHILD DEVELOPMENT CENTER	2,700	
	FIRE FIGHTING TRAINING FACILITY	1,350	4,050
BARBERS POINT NAVAL AIR STATION			
HONOLULU COM&TELCOMM AREA MASTER STA EPAC	BACH ENLISTED QUARTERS MODERNIZATION	4,390	
	BACHELOR ENLISTED QUARTERS MODERNIZATION	4,730	9,120
HONOLULU COM&TELCOMM AREA MASTER STA EPAC			
PEARL HARBOR COM OCEANOGRAPHIC SYS PACIFIC	BERTHING PIER	16,780	16,780
PEARL HARBOR COM OCEANOGRAPHIC SYS PACIFIC			



## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME-----		
HAWAII			
NAVY			
	PEARL HARBOR NAV INACTIVE SHIP MAINT FAC		
	INACTIVE SHIPS PIER	2,620	
	PEARL HARBOR NAV INACTIVE SHIP MAINT FAC		2,620
	PEARL HARBOR NAVAL SUBMARINE BASE		
	BACHELOR ENLISTED QUARTERS COMPLEX	25,500	
	ENLISTED MESS HALL MODERNIZATION	2,640	
	SUBMARINE BERTING WHARF	26,000	
	PEARL HARBOR NAVAL SUBMARINE BASE		54,140
	PEARL HARBOR NAVY PUBLIC WORKS CENTER		
	INDUSTRIAL WASTE TREATMENT PLANT - DBOF	18,560	
	WASTEWATER COLLECTION SYS IMPRVMT - DBOF	8,980	
	PEARL HARBOR NAVY PUBLIC WORKS CENTER		27,540
			-----
**NAVY			114,250
AIR FORCE			
	HICKAM AFB		
	DORMITORY	5,950	
	MILSTAR COMMUNICATIONS GROUND TERMINAL	2,200	
	UNDERGROUND FUEL STORAGE TANKS	2,100	
	HICKAM AFB		10,250
	KAENA POINT		
	POWER PLANT	7,350	
	KAENA POINT		7,350
			-----
**AIR FORCE			17,600
DEFENSE LOGISTICS AGENCY			
	DEFENSE FUEL SUPPORT POINT PEARL HARBOR		
	POL LABORATORY FACILITY	2,250	
	DEFENSE FUEL SUPPORT POINT PEARL HARBOR		2,250
ARMY NATIONAL GUARD			
	KAUAI		
	RANGE, KNOWN DISTANCE UPGRADE	334	
	KAUAI		334
AIR NATIONAL GUARD			
	HICKAM AFB		
	FUEL SYSTEM MAINT AND CORROSION CONTROL FA	5,300	
	HICKAM AFB		5,300
NAVY RESERVE			
	NAVAL STATION PEARL HARBOR		
	CBU ADDITION	500	
	NAVAL STATION PEARL HARBOR		500
***FAMILY HOUSING***			
ARMY			
	SCHOFIELD BARRACKS		
	NEW CONST(125)(18.0M) + REPL(135)(21.0M)	{39,000}	
	NEW CONSTRUCTION (88)	{13,000}	
	SCHOFIELD BARRACKS		
	FAMILY HOUSING		(52,000)
			-----
**HAWAII			158,834
	FAMILY HOUSING		(52,000)
IDAHO			
	ARMY NATIONAL GUARD		
	GOWEN FIELD		
	COMBAT VEHICLE TRANSITION CMPLX	5,044	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME-----	-----	-----
IDAHO			
ARMY NATIONAL GUARD			
GOWEN FIELD			
USPFO ADMIN OFC/WHSE ADD		1,391	
GOWEN FIELD			6,435
HOMEDALE			
ARMORY		1,157	
HOMEDALE			1,157
			-----
**ARMY NATIONAL GUARD			7,592
AIR NATIONAL GUARD			
BOISE AIRPORT			
FIRE STATION AND AGE FACILITY		1,750	
BOISE AIRPORT			1,750
			-----
**IDAHO			9,342
ILLINOIS			
AIR FORCE			
SCOTT AFB			
INTEROPERABILITY TEST AND TRAINING FAC		5,000	
MUNITIONS STORAGE FAC/LAND ACQUIST - DBOF		2,450	
SCOTT AFB			7,450
AIR NATIONAL GUARD			
CAPITAL MAP			
ALTER STORM DRAINAGE DISPOSAL		500	
CAPITAL MAP			500
GREATER PEORIA AIRPORT			
ADD TO AND ALTER F-16 ACRFT AVIONICS SHOP		840	
GREATER PEORIA AIRPORT			840
			-----
**AIR NATIONAL GUARD			1,340
ARMY RESERVE			
ARGONNE			
USARC/OMS		10,381	
ARGONNE			10,381
			-----
**ILLINOIS			19,171
INDIANA			
ARMY NATIONAL GUARD			
CAMP ATTERBURY			
RANGE, INF SQUAD BATTLE CRSE		1,156	
RANGE, MOD RECORD FIRE UPGRADE		654	
CAMP ATTERBURY			1,810
AIR NATIONAL GUARD			
HULMAN FIELD			
REPLACE UNDERGROUND FUEL STORAGE TANKS		950	
HULMAN FIELD			950
FT WAYNE MAP			
REPLACE UNDERGROUND FUEL STORAGE TANKS		1,350	
FT WAYNE MAP			1,350
			-----
**AIR NATIONAL GUARD			2,300
			-----
**INDIANA			4,110
IOWA			
AIR NATIONAL GUARD			
DES MOINES MAP			
ADD TO AND ALTER DINING & MEDICAL TRNG FAC		1,800	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
<b>IOWA</b>			
AIR NATIONAL GUARD			
DES MOINES MAP			
REPLACE UNDERGROUND FUEL STORAGE TANKS		880	
DZS MOINES MAP			2,680
<b>KANSAS</b>			
AIR FORCE			
MCCONNELL AFB			
CONTROL TOWER CAB		900	
LAND RESTRICTIVE EASEMENT ACQUISITION		1,000	
MCCONNELL AFB			1,900
AIR NATIONAL GUARD			
FORBES FIELD			
REPLACE UNDERGROUND FUEL STORAGE TANKS		1,400	
FORBES FIELD			1,400
MCCONNELL AFB			
ALTER MEDICAL TRAINING AND TELECOM		890	
MCCONNELL AFB			890
<b>**AIR NATIONAL GUARD</b>			2,290
<b>**KANSAS</b>			4,190
<b>KENTUCKY</b>			
ARMY			
FORT CAMPBELL			
AIRFIELD IMPROVEMENTS		3,950	
DINING FACILITIES MODERNIZATION		3,500	
MOBILIZATION WAREHOUSE		850	
WHOLE BARRACKS RENEWAL		32,000	
FORT CAMPBELL			40,300
FORT KNOX			
MAINTENANCE FACILITY		12,200	
MULTIPURPOSE TRAINING RANGE		4,150	
WHOLE BARRACKS RENEWAL		25,000	
FORT KNOX			41,350
<b>**ARMY</b>			81,650
SPECIAL OPERATIONS COMMAND			
FORT CAMPBELL			
ARMY SOA BN, HQS		4,300	
FORT CAMPBELL			4,300
DOD DEPENDENT SCHOOLS			
FORT CAMPBELL			
FT CAMPBELL ELEM SCHOOL		8,982	
FT CAMPBELL LINCOLN ELEM SCHOOL ADDN		1,900	
FT CAMPBELL MAHAFFEY MIDDLE SCHOOL ADDN		2,300	
FORT CAMPBELL			13,182
FORT KNOX			
FT KNOX KINSOLVER VAN/VOORHIS ELEM SCHOOL		1,600	
FT KNOX SIX GYMNASIUM ADDN		6,107	
FORT KNOX			7,707
<b>**DOD DEPENDENT SCHOOLS</b>			20,889
<b>**KENTUCKY</b>			106,839
<b>LOUISIANA</b>			
AIR FORCE			
BARSDALE AFB			
UPGRADE BULK STORAGE BASINS		1,600	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
LOUISIANA			
AIR FORCE			
BARKSDALE AFB			
	WEAPONS STORAGE AREA SECURITY	960	
	BARKSDALE AFB		2,560
AIR NATIONAL GUARD			
HAMMOND			
	REPLACE UNDERGROUND STORAGE TANKS	350	
	HAMMOND		350
NEW ORLEANS NAS			
	REPLACE UNDERGROUND FUEL STORAGE TANKS	350	
	NEW ORLEANS NAS		350
			-----
**AIR NATIONAL GUARD			700
ARMY RESERVE			
NEW ORLEANS			
	LAND ACQUISITION	645	
	NEW ORLEANS		645
NAVY RESERVE			
NAVAL AIR STATION NEW ORLEANS			
	ORDNANCE COMPLEX	1,900	
	NAVAL AIR STATION NEW ORLEANS		1,900
AIR FORCE RESERVE			
BARKSDALE AFB			
	WELDING AND MACHINE SHOP	600	
	BARKSDALE AFB		600
***FAMILY HOUSING***			
AIR FORCE			
BARKSDALE AFB			
	FAMILY HOUSING (117 UNITS)	{8,578}	
	BARKSDALE AFB		
	FAMILY HOUSING		{8,578}
			-----
**LOUISIANA			6,405
	FAMILY HOUSING		{8,578}
MAINE			
NAVY			
KITTEY PORTSMOUTH NAVAL SHIPYARD			
	HAZARDOUS WASTE STORAGE FACILITY - DBOF	4,780	
	KITTEY PORTSMOUTH NAVAL SHIPYARD		4,780
ARMY NATIONAL GUARD			
NORWAY			
	ARMORY EXPAN/REHAB	1,380	
	NORWAY		1,380
***FAMILY HOUSING***			
NAVY			
NAS BRUNSWICK			
	NEW CONSTRUCTION (MOBILE HOME SPACES)	{490}	
	NAS BRUNSWICK		
	FAMILY HOUSING		{490}
			-----
**MAINE			6,160
	FAMILY HOUSING		{490}
MARYLAND			
ARMY			
ABERDEEN PROVING GROUND			
	APPLIED INSTRUCTION FACILITY	14,000	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRGJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
MARYLAND			
ARMY			
	ABERDEEN PROVING GROUND		
	TARGET ASSEMBLY AND STORAGE FACILITY	1,800	
	UPGRADE RANGE COMPLEX	4,450	
	ABERDEEN PROVING GROUND		20,250
NAVY			
	BETHESDA NATIONAL NAVAL MEDICAL CENTER		
	CHILD DEVELOPMENT CENTER	3,090	
	BETHESDA NATIONAL NAVAL MEDICAL CENTER		3,090
AIR FORCE			
	ANDREWS AFB		
	AIR FREIGHT TERMINAL - DBOF T	4,400	
	FIRE TRAINING FACILITY - DBOF	1,000	
	UPGRADE COMPOSITE ADMIN FACILITY - DBOF	9,940	
	UPGRADE SANITARY SEWER SYSTEMS	2,650	
	ANDREWS AFB		17,990
	FORT GEORGE MEADE		
	ADD TO AIR FORCE SENIOR SCOUT OPS FAC	1,450	
	FORT GEORGE MEADE		1,450
	**AIR FORCE		19,440
NATIONAL SECURITY AGENCY			
	FORT MEADE		
	OPS 1 ROADWAY STRUCTURAL ENHANCEMENT	5,910	
	SUPERCOMPUTER FACILITY	52,720	
	FORT MEADE		58,630
DEFENSE MEDICAL SUPPORT ACTIVITY			
	FORT DETRICK		
	BIOLOGICAL INCINERATOR	4,300	
	FORT DETRICK		4,300
	FOREST GLEN (WRAIR)		
	ARMY INSTITUTE OF RESEARCH PHASE II	48,140	
	FOREST GLEN (WRAIR)		48,140
	**DEFENSE MEDICAL SUPPORT ACTIVITY		52,440
ARMY NATIONAL GUARD			
	TOWSON		
	ARMORY ALT/ADD	2,823	
	TOWSON		2,823
AIR NATIONAL GUARD			
	ANDREWS AFB		
	ADD TO AND ALTER AVIONICS AND ECM POD FAC	1,100	
	REPLACE UNDERGROUND FUEL STORAGE TANKS	890	
	ANDREWS AFB		1,990
	GLENN L MARTIN AIRPORT		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,000	
	GLENN L MARTIN AIRPORT		1,000
	**AIR NATIONAL GUARD		2,990
NAVY RESERVE			
	NAF WASHINGTON		
	EQUIPMENT OPS FACILITY	2,500	
	NAF WASHINGTON		2,500
AIR FORCE RESERVE			
	ANDREWS AFB		
	REPLACE AIRCRAFT PARKING APRON	13,373	
	ANDREWS AFB		13,373



## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (5 THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME-----	-----	-----
MARYLAND			
***FAMILY HOUSING***			
ARMY			
FORT MEADE			
REPLACEMENT CONSTRUCTION (275)	(26,000)		
FORT MEADE			
FAMILY HOUSING			(26,000)
			-----
**MARYLAND			175,536
FAMILY HOUSING			(26,000)
MASSACHUSETTS			
ARMY NATIONAL GUARD			
CAMP EDWARDS			
RANGE, MAC	-816		
RANGE, MOD RECORD FIRE (MRF)	-1,071		
CAMP EDWARDS			-1,887
FORT DEVENS			
COMBINED SUPPORT MAINT SHOP REHAB	1,887		
FORT DEVENS			1,887
			-----
**ARMY NATIONAL GUARD			
AIR FORCE RESERVE			
WESTOVER AFB			
MEDICAL TRAINING FACILITY	2,600		
WESTOVER AFB			2,600
***FAMILY HOUSING***			
AIR FORCE			
HANSCOM AFB			
FAMILY HOUSING (46 UNITS)	(5,135)		
HANSCOM AFB			
FAMILY HOUSING			(5,135)
			-----
**MASSACHUSETTS			2,600
FAMILY HOUSING			(5,135)
MICHIGAN			
AIR NATIONAL GUARD			
ALPENA COUNTY REGIONAL AIRPORT			
UPGRADE WATER DISTRIBUTION SYSTEM	1,400		
ALPENA COUNTY REGIONAL AIRPORT			1,400
SELFRIDGE ANG			
REPLACE UNDERGROUND FUEL STORAGE TANKS	710		
SELFRIDGE ANG			710
WK KELLOGG REGIONAL AIRPORT			
ADAL FUEL CELL AND CORROSION CONTROL FAC	1,100		
WK KELLOGG REGIONAL AIRPORT			1,100
			-----
**AIR NATIONAL GUARD			3,210
NAVY RESERVE			
NRRC DETROIT			
RESCEN ADDITION	3,100		
NRRC DETROIT			3,100
			-----
**MICHIGAN			6,310
MINNESOTA			
ARMY NATIONAL GUARD			
CAMP RIPLEY			
ORGANIZATIONAL MAINT SHOPS	2,625		

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
MINNESOTA			
ARMY NATIONAL GUARD			
CAMP RIPLEY			
RANGE, MPRC (HEAVY)		3,185	
CAMP RIPLEY			5,810
AIR NATIONAL GUARD			
DULUTH ANGB			
REPLACE UNDERGROUND FUEL STORAGE TANKS		1,000	
DULUTH ANGB			1,000
			-----
**MINNESOTA			6,810
MISSISSIPPI			
AIR FORCE			
COLUMBUS AFB			
UPGRADE AIRFIELD LIGHTING		2,900	
COLUMBUS AFB			2,900
KEESLER AFB			
FIRE TRAINING FACILITY		690	
UNDERGROUND FUEL STORAGE TANKS		600	
UPGRADE SANITARY SEWER SYSTEM		2,920	
UPGRADE STUDENT DORMITORY		4,500	
KEESLER AFB			8,710
			-----
**AIR FORCE			11,610
AIR NATIONAL GUARD			
ALLEN C THOMPSON FIELD			
REPLACE UNDERGROUND FUEL STORAGE TANKS		730	
ALLEN C THOMPSON FIELD			730
GULFPORT			
REPLACE UNDERGROUND FUEL STORAGE TANKS		335	
UPGRADE ELECTRICAL DISTRIBUTION SYSTEM		850	
GULFPORT			1,185
			-----
**AIR NATIONAL GUARD			1,915
			-----
**MISSISSIPPI			13,525
MISSOURI			
ARMY			
FORT LEONARD WOOD			
OPERATIONS FACILITY		1,000	
FORT LEONARD WOOD			1,000
AIR FORCE			
WHITEMAN AFB			
B-2 ADD TO AND ALTER MUNITIONS STORAGE FAC		3,338	
B-2 AIRCRAFT APRON/TAXIWAY UPGRADE		3,400	
B-2 AIRCRAFT MAINTENANCE DOCK		14,500	
B-2 DEFENSE ACCESS ROADS		7,150	
B-2 HYDRANT FUELING SYSTEM LOOP, PH II		2,700	
B-2 UPGRADE BASE ROADS		5,900	
B-2 UTILITY UPGRADE		4,850	
B-2 VEHICLE MAINTENANCE FACILITY		1,700	
WHITEMAN AFB			43,538
ARMY NATIONAL GUARD			
FORT CROWDER			
TRNG SITE, TROOP MED TRNG FACIL		386	
FORT CROWDER			386

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
<b>MISSOURI</b>			
AIR NATIONAL GUARD			
	JEFFERSON BARRACKS ANG SITE		
	ALTER COMMUNICATIONS ELECTRONICS TRNG FAC	2,800	
	UPGRADE DINING HALL	720	
	JEFFERSON BARRACKS ANG SITE		3,520
ROSECRANS MEMORIAL AIRPORT			
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,250	
	ROSECRANS MEMORIAL AIRPORT		1,250
**AIR NATIONAL GUARD			4,770
**MISSOURI			49,694
<b>MONTANA</b>			
AIR FORCE			
	MALMSTROM AFB		
	BASE ENGINEERING COMPLEX - DBOF	6,200	
	UNDGD FUEL STORAGE TANKS MINUTEMAN II FACS	1,500	
	MALMSTROM AFB		7,700
ARMY NATIONAL GUARD			
	FT WM HENRY HARRISON		
	TRNG SITE, MED UNIT TNG FACIL	501	
	FT WM HENRY HARRISON		501
AIR NATIONAL GUARD			
	GREAT FALLS IAP		
	MEDICAL TRAINING AND DINING HALL	2,900	
	REPLACE UNDERGROUND FUEL STORAGE TANKS	400	
	GREAT FALLS IAP		3,300
***FAMILY HOUSING***			
AIR FORCE			
	MALMSTROM AFB		
	HOUSING OFFICE	(581)	
	MALMSTROM AFB		
	FAMILY HOUSING		(581)
**MONTANA			11,501
FAMILY HOUSING			(581)
<b>NEBRASKA</b>			
AIR FORCE			
	OFFUTT AFB		
	ADD TO EMERGENCY BACK-UP POWER	2,300	
	REPAIR AIRFIELD PAVEMENTS AND LIGHTING	8,700	
	OFFUTT AFB		11,000
DEFENSE MEDICAL SUPPORT ACTIVITY			
	OFFUTT AIR FORCE BASE		
	LIFE SAFETY UPGRADE	1,100	
	OFFUTT AIR FORCE BASE		1,100
AIR NATIONAL GUARD			
	LINCOLN MAP		
	FIRE STATION	1,850	
	LINCOLN MAP		1,850
**NEBRASKA			13,950
<b>NEVADA</b>			
ARMY			
	HAWTHORNE AAP		
	CONTAINER HOLDING PADS	7,000	
	HAWTHORNE AAP		7,000

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	-----PROJECT NAME-----	-----	-----
NEVADA			
AIR FORCE			
	NELLIS AFB		
	UPGRADE POL TANKS	1,650	
	NELLIS AFB		1,650
AIR NATIONAL GUARD			
	RENO IAP		
	AIRCRAFT ARRESTING SYSTEMS	1,830	
	REPLACE UNDERGROUND FUEL STORAGE TANKS	460	
	RENO IAP		2,290
			-----
**NEVADA			10,940
NEW HAMPSHIRE			
AIR NATIONAL GUARD			
	PEASE AFB		
	UPGRAD KC-135 HYDRANT REFUELING SYSTEM	5,100	
	PEASE AFB		5,100
NEW JERSEY			
ARMY			
	FORT MONMOUTH		
	SATELLITE CONTROL SYSTEM	7,500	
	FORT MONMOUTH		7,500
NAVY			
	EARLE NAVAL WEAPONS STATION		
	EXPLOSIVES HOLDING YARD - DBOF	1,290	
	HAZARDOUS WASTE STORAGE FACILITY - DBOF	870	
	MATERIALS HANDLG EQUIP SERV CTR ALT - DBOF	420	
	EARLE NAVAL WEAPONS STATION		2,580
AIR NATIONAL GUARD			
	ATLANTIC CITY		
	FIRE STATION	1,350	
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,900	
	ATLANTIC CITY		3,250
NAVY RESERVE			
	NRC KEARNY		
	RESCEN A/C	800	
	NRC KEARNY		800
			-----
**NEW JERSEY			14,130
NEW MEXICO			
ARMY			
	WHITE SANDS MISSILE RANGE		
	TARGET TRACK	2,900	
	WHITE SANDS MISSILE RANGE		2,900
AIR FORCE			
	CANNON AFB		
	BASE ENGINEERING COMPLEX	6,150	
	FIRE TRAINING FACILITY	1,000	
	SOUND SUPPRESSOR SUPPORT PAD	665	
	UNDERGROUND FUEL STORAGE TANKS	1,100	
	CANNON AFB		8,915
HOLLOMAN AFB			
	ADD TO AND ALTER DORMITORIES	6,400	
	SEWER EFFLUENT SYSTEM	1,800	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
<b>NEW MEXICO</b>			
<b>AIR FORCE</b>			
HOLLOMAN AFB			
	UNDERGROUND FUEL STORAGE TANKS	1,000	9,200
	HOLLOMAN AFB		
KIRTLAND AFB			
	AEROSPACE ENGINEERING FACILITY	3,167	
	ALTER DORMITORY	5,100	
	COMPOSITE MATERIALS LABORATORY	5,750	
	SPACE STRUCTURES LABORATORY	6,200	
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	6,844	
	KIRTLAND AFB		27,061
			<hr/>
**AIR FORCE			45,176
<b>DEFENSE MEDICAL SUPPORT ACTIVITY</b>			
CANNON AIR FORCE BASE			
	CMF ADD/ALT LIFE SAFETY/SEISMIC UPGRADE	13,600	13,600
	CANNON AIR FORCE BASE		
<b>AIR NATIONAL GUARD</b>			
KIRTLAND AFB			
	ALTER MAINTENANCE SHOPS	345	
	ALTER OPERATIONAL TRAINING FACILITY	390	
	POWER CHECK PAD WITH SOUND SUPPRESSOR	800	
	KIRTLAND AFB		1,535
<b>AIR FORCE RESERVE</b>			
KIRTLAND AFB			
	CIVIL ENGINEERING TRAINING FACILITY	900	900
	KIRTLAND AFB		<hr/>
**NEW MEXICO			64,111
<b>NEW YORK</b>			
<b>ARMY</b>			
U S MILITARY ACADEMY			
	WHOLE BARRACKS RENEWAL	13,800	13,800
	U S MILITARY ACADEMY		
<b>AIR NATIONAL GUARD</b>			
HAWCOCK FIELD			
	FIRE STATION	1,350	1,350
	HAWCOCK FIELD		
NIAGARA FALLS INTERNATIONAL AIRPORT			
	ALTER KC-135 OPERATIONS FACILITIES	1,650	1,650
	NIAGARA FALLS INTERNATIONAL AIRPORT		
SCHENECTADY AIRPORT AMG			
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,050	1,050
	SCHENECTADY AIRPORT AMG		
STEWART AIRPORT			
	INDUSTRIAL WASTE HOLDING POND	320	320
	STEWART AIRPORT		<hr/>
**AIR NATIONAL GUARD			4,370
<b>AIR FORCE RESERVE</b>			
NIAGARA FALLS IAP			
	BASE COMMUNICATIONS CENTER	1,300	1,300
	NIAGARA FALLS IAP		
<b>***FAMILY HOUSING***</b>			
<b>ARMY</b>			
U S MILITARY ACADEMY			
	REPLACEMENT CONSTRUCTION (100)	{15,000}	
	U S MILITARY ACADEMY		
	FAMILY HOUSING		{15,000}
			<hr/>
**NEW YORK			19,470
	FAMILY HOUSING		{15,000}



## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
NORTH CAROLINA			
ARMY			
	FORT BRAGG		
	SEWAGE TREATMENT PLANT UPGRADE	540	
	TACTICAL EQUIPMENT SHOP	23,000	
	TACTICAL EQUIPMENT SHOP	7,100	
	WHOLE BRIGADE BARRACKS COMPLEX	71,600	
	FORT BRAGG		102,240
NAVY			
	CAMP LEJEUNE MARINE CORPS BASE		
	LANDFILL	7,690	
	MULTI-PURPOSE TRAINING RANGE	5,300	
	WASTEWATER TREATMENT PLANT (PHASE I)	28,300	
	CAMP LEJEUNE MARINE CORPS BASE		41,290
	CAMP LEJEUNE NAVAL HOSPITAL		
	BACHELOR ENLISTED QUARTERS	2,370	
	CAMP LEJEUNE NAVAL HOSPITAL		2,370
	CHERRY POINT MARINE CORPS AIR STATION		
	AIRCRAFT MAINTENANCE TRAINING FACILITY	4,040	
	COMMUNICATIONS CENTER	3,460	
	CHERRY POINT MARINE CORPS AIR STATION		7,500
	**NAVY		57,160
AIR FORCE			
	POPE AFB		
	ADD TO AND ALTER DORMITORIES	4,300	
	DINING FACILITY	4,300	
	POPE AFB		8,600
	SEYMOUR JOHNSON AFB		
	ADD TO AND ALTER DORMITORIES	4,900	
	MUNITIONS MAINTENANCE SUPPORT FACILITY	480	
	SEYMOUR JOHNSON AFB		5,380
	**AIR FORCE		13,980
SPECIAL OPERATIONS COMMAND			
	FORT BRAGG		
	MEDICAL TRNG FAC	18,450	
	3SFG/4POG BARRACKS	20,000	
	FORT BRAGG		38,450
DOE DEPENDENT SCHOOLS			
	FORT BRAGG		
	FT BRAGG ELEM SCHOOL	8,838	
	FORT BRAGG		8,838
	CAMP LEJEUNE MARINE CORPS BASE		
	CAMP LEJEUNE AUDITORIUM/BAND ROOM	1,465	
	CAMP LEJEUNE MULTI ROOM/STONE ELEM SCHOOL	328	
	CAMP LEJEUNE MARINE CORPS BASE		1,793
	**DOO DEPENDENT SCHOOLS		10,631
DEFENSE MEDICAL SUPPORT ACTIVITY			
	FORT BRAGG		
	HOSPITAL REPLACEMENT PHASE II	195,000	
	FORT BRAGG		195,000
ARMY NATIONAL GUARD			
	FAYETTEVILLE		
	ORGANIZATIONAL MAINT SHOP	473	
	FAYETTEVILLE		473

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	-----PROJECT NAME-----		
NORTH CAROLINA			
ARMY RESERVE			
MOREHEAD CITY			
ADD/ALT USARC/OMS/AMSA (MARINE)		9,335	
MOREHEAD CITY			9,335
***FAMILY HOUSING***			
ARMY			
FORT BRAGG			
REPLACEMENT CONSTRUCTION (224)		(18,000)	
FORT BRAGG			
FAMILY HOUSING			(18,000)
			421,269
			(18,000)
**NORTH CAROLINA			
FAMILY HOUSING			
NORTH DAKOTA			
AIR FORCE			
GRAND FORKS AFB			
UNDERGROUND FUEL STORAGE TANKS		2,600	
GRAND FORKS AFB			2,600
MINOT AFB			
UNDERGROUND FUEL STORAGE TANKS		2,000	
MINOT AFB			2,000
			4,600
**AIR FORCE			
DEFENSE MEDICAL SUPPORT ACTIVITY			
GRAND FORKS AIR FORCE BASE			
LIFE SAFETY UPGRADE		860	
GRAND FORKS AIR FORCE BASE			860
ARMY NATIONAL GUARD			
BISMARCK			
AVIATION C-12 HANGAR		1,297	
BISMARCK			1,297
CAMP GRAFTON (DEVILS LAKE)			
RANGE, MOD RECORD FIRE (MRF)		1,038	
TRNG SITE, HEATING PLANT ADD		1,826	
CAMP GRAFTON (DEVILS LAKE)			2,864
			4,161
**ARMY NATIONAL GUARD			
AIR NATIONAL GUARD			
HECTOR FIELD			
UPGRADE STORM DRAINAGE		400	
HECTOR FIELD			400
			10,021
**NORTH DAKOTA			
OHIO			
AIR FORCE			
WRIGHT-PATTERSON AFB			
ADAL ACQUISITION MANAGEMENT CNPLX, PH II		12,850	
ADD TO AVIONICS RESEARCH LAB, PHASE II		5,650	
RENOVATE ELECTRIC SUBSTATIONS		4,450	
SEAL FUEL CONTAINMENT DIKES		1,500	
UNDERGROUND FUEL STORAGE TANKS		3,200	
WRIGHT-PATTERSON AFB			27,650
DEFENSE LOGISTICS AGENCY			
DEF ELECTRONICS SUPPLY CENTER			
INSTALL GAS-FIRED BOILERS		6,000	
DEF ELECTRONICS SUPPLY CENTER			6,000

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME-----		
<b>OHIO</b>			
	DEFENSE LOGISTICS AGENCY		
	DEFENSE CONSTRUCTION SUPPLY CENTER		
	CHILD DEVELOPMENT CENTER	3,100	
	DEFENSE CONSTRUCTION SUPPLY CENTER		3,100
	<b>**DEFENSE LOGISTICS AGENCY</b>		<b>9,100</b>
<b>ARMY RESERVE</b>			
	COLUMBUS		
	USARC/OMS/AMSA/DS-GS	14,701	
	COLUMBUS		14,701
<b>AIR FORCE RESERVE</b>			
	YOUNGSTOWN MAP		
	WIDEN AIRCRAFT PARKING APRON	1,450	
	YOUNGSTOWN MAP		1,450
	<b>**OHIO</b>		<b>52,901</b>
<b>OKLAHOMA</b>			
<b>ARMY</b>			
	FORT SILL		
	WHOLE BARRACKS RENEWAL	15,700	
	FORT SILL		15,700
<b>AIR FORCE</b>			
	ALTUS AFB		
	C-17 ADD TO ACFT MAINT FACILITY - DBOF T	3,300	
	C-17 ADD TO FLT SIMULAT TRN FAC - DBOF T	2,850	
	C-17 FIRE STATION - DBOF	780	
	ALTUS AFB		6,930
	TINKER AFB		
	ALTER HYDRANT FUELING SYSTEM	4,129	
	ENGINEERING AND CONTRACT SUPPORT FACILITY	5,900	
	INDTL WASTEWATER REGIONAL CONNECT - DBOF	5,400	
	MILSTAR COMMUNICATIONS GROUND TERMINAL	800	
	SEAL FUEL CONTAINMENT DIKES	620	
	UNDERGROUND FUEL STORAGE TANKS	4,700	
	TINKER AFB		21,549
	VANCE AFB		
	T-1 SPECIALIZED UPT MAINTENANCE SUPPORT	2,700	
	UPGRADE AIRFIELD LIGHTING	3,300	
	VANCE AFB		6,000
	<b>**AIR FORCE</b>		<b>34,479</b>
<b>AIR NATIONAL GUARD</b>			
	TULSA IAP		
	ADD TO AND ALTER FIRE STATION	460	
	TULSA IAP		460
	WILL ROGERS WORLD AIRPORT		
	COMPOSITE SUPPORT FACILITY	3,900	
	MOBILITY EQUIPMENT STORAGE WAREHOUSE	950	
	WILL ROGERS WORLD AIRPORT		4,850
	<b>**AIR NATIONAL GUARD</b>		<b>5,310</b>
	<b>**OKLAHOMA</b>		<b>55,489</b>
<b>OREGON</b>			
<b>AIR NATIONAL GUARD</b>			
	PORTLAND IAP		
	ADD TO AND ALTER FIRE STATION	500	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES  
INSIDE THE UNITED STATES  
(\$ THOUSANDS)

STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
<b>OREGON</b>			
AIR NATIONAL GUARD			
PORTLAND IAP			
DRAINAGE IMPROVEMENTS		600	
PORTLAND IAP			1,100
<b>PENNSYLVANIA</b>			
<b>ARMY</b>			
TOBYHANNA ARMY DEPOT			
WATER POLLUTION ABATEMENT		750	
TOBYHANNA ARMY DEPOT			750
<b>NAVY</b>			
PHILADELPHIA NAV INACTIVE SHIP MAINT FAC			
BERTHING WHARF IMPROVEMENTS (INCR II)		8,660	
PHILADELPHIA NAV INACTIVE SHIP MAINT FAC			8,660
PHILADELPHIA NAVY AVIATION SUPPLY OFFICE			
ELECTRICAL DISTRIB SYSTEM UPGRADE - DBOF		1,900	
PHILADELPHIA NAVY AVIATION SUPPLY OFFICE			1,900
			<hr/>
<b>**NAVY</b>			10,560
<b>SPECIAL OPERATIONS COMMAND</b>			
OLMSTEAD FIELD, HARRISBURG IAP			
AVION/ECM POD FAC(O)		1,300	
OLMSTEAD FIELD, HARRISBURG IAP			1,300
<b>AIR NATIONAL GUARD</b>			
FT INDIANTOWN ANG COMMUNICATIONS SITE			
CIVIL ENGINEERING MAINTENANCE SHOPS		850	
FT INDIANTOWN ANG COMMUNICATIONS SITE			850
<b>AIR FORCE RESERVE</b>			
GREATER PITTSBURGH IAP			
JET FUEL STORAGE COMPLEX		4,300	
OFF BASE FIRING RANGE		1,300	
GREATER PITTSBURGH IAP			5,600
			<hr/>
<b>**PENNSYLVANIA</b>			19,060
<b>RHODE ISLAND</b>			
<b>NAVY</b>			
NEWPORT NAVAL EDUCATION & TRAINING CENTER			
BACHELOR ENLISTED QUARTERS		7,500	
ELECTRICAL DISTR SYS UPGRADE (INCR II)		3,800	
NEWPORT NAVAL EDUCATION & TRAINING CENTER			11,300
<b>AIR NATIONAL GUARD</b>			
COVENTRY AGS			
REPLACE UNDERGROUND FUEL STORAGE TANKS		840	
COVENTRY AGS			840
<b>NORTH SMITHFIELD ANG</b>			
REPLACE UNDERGROUND FUEL STORAGE TANKS		550	
NORTH SMITHFIELD ANG			550
<b>QUONSET STATE AIRPORT</b>			
BASE ENGINEER MAINTENANCE FACILITY		2,750	
REPLACE UNDERGROUND FUEL STORAGE TANKS		890	
QUONSET STATE AIRPORT			3,640
			<hr/>
<b>**AIR NATIONAL GUARD</b>			5,030
<b>NAVY RESERVE</b>			
NETC NEWPORT			
CBU ADDITION		500	
NETC NEWPORT			500
			<hr/>
<b>**RHODE ISLAND</b>			16,830

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PROJ COST	TOTAL
STATE/COMP./INSTALLATION	-----PROJECT NAME-----	-----	-----
<b>SOUTH CAROLINA</b>			
<b>ARMY</b>			
	FORT JACKSON		
	OPERATIONS FACILITY	1,100	
	RANGE UPGRADE	1,600	
	FORT JACKSON		2,700
<b>NAVY</b>			
	BEAUFORT MARINE CORPS AIR STATION		
	BACHELOR ENLISTED QUARTERS (PHASE II)	8,390	
	JET FUEL DELIVERY SYSTEM IMPROVEMENT	2,510	
	BEAUFORT MARINE CORPS AIR STATION		10,900
	CHARLESTON NAVAL WEAPONS STATION		
	FIRE PROTECTION PIPELINE - DBOF	580	
	CHARLESTON NAVAL WEAPONS STATION		580
			-----
	<b>**NAVY</b>		11,480
<b>AIR FORCE</b>			
	CHARLESTON AFB		
	FIRE TRAINING FACILITY - DBOF	1,100	
	CHARLESTON AFB		1,100
	SHAW AFB		
	CHILD DEVELOPMENT CENTER	2,650	
	CONTROL TOWER	2,700	
	UNDERGROUND FUEL STORAGE TANKS	520	
	SHAW AFB		5,870
			-----
	<b>**AIR FORCE</b>		6,970
<b>AIR NATIONAL GUARD</b>			
	MCENTIRE		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,750	
	UPGRADE AIRFIELD LIGHTING AND PAVEMENT	4,200	
	MCENTIRE		5,950
<b>ARMY RESERVE</b>			
	FORT JACKSON		
	USARC/QMS/DS	10,428	
	FORT JACKSON		10,428
			-----
	<b>**SOUTH CAROLINA</b>		37,528
<b>SOUTH DAKOTA</b>			
<b>AIR FORCE</b>			
	ELLSWORTH AFB		
	ALTER AIRCRAFT MAINTENANCE DOCK	630	
	ELLSWORTH AFB		630
	DEFENSE MEDICAL SUPPORT ACTIVITY		
	ELLSWORTH AIR FORCE BASE		
	LIFE SAFETY UPGRADE	1,400	
	ELLSWORTH AIR FORCE BASE		1,400
<b>AIR NATIONAL GUARD</b>			
	JOE FOSS FIELD		
	ADAL FUEL SYSTEMS MAINT/CORROSION DOCK	1,700	
	ALTER COMPOSITE OPERATIONS & TRAINING FAC	350	
	JOE FOSS FIELD		2,050
			-----
	<b>**SOUTH DAKOTA</b>		4,080
<b>TENNESSEE</b>			
<b>NAVY</b>			
	MEMPHIS NAVAL AIR STATION		
	FIRE ALARM SYSTEM IMPROVEMENTS	1,100	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (5 THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
TENNESSEE			
NAVY			
	MEMPHIS NAVAL AIR STATION		
	FUELS TRAINER FACILITY	600	
	POTABLE WATER SYSTEM IMPROVEMENTS	350	
	MEMPHIS NAVAL AIR STATION		2,050
AIR FORCE			
	ARNOLD ENGINEERING DEV CENTER		
	UPGRADE SEWAGE TREATMENT PLANT	1,500	
	ARNOLD ENGINEERING DEV CENTER		1,500
	MEMPHIS NAVAL AIR STATION		
	ADAL HIGH-BAY TECHNICAL TRAINING FACILITY	3,000	
	ALTER TECHNICAL TRAINING FACILITY	2,000	
	RENOVATE DORMITORY	1,200	
	MEMPHIS NAVAL AIR STATION		6,200
	**AIR FORCE		7,700
DEFENSE MEDICAL SUPPORT ACTIVITY			
	MILLINGTON NAVAL AIR STATION		
	HOSP LIFE SAFETY/SEISMIC UPGRADE PHASE II	5,000	
	MILLINGTON NAVAL AIR STATION		5,000
AIR NATIONAL GUARD			
	ALCOA AIR NATIONAL GUARD STATION		
	ADAL COMMUNICATIONS ELECTRONICS TRNG FAC	1,300	
	ALCOA AIR NATIONAL GUARD STATION		1,300
	MCGHEE-TYSON AIRPORT		
	PMEC ADMINISTRATIVE SUPPORT FACILITY	2,200	
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,100	
	MCGHEE-TYSON AIRPORT		3,300
	NASHVILLE MAP		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	1,000	
	NASHVILLE MAP		1,000
	**AIR NATIONAL GUARD		5,600
NAVY RESERVE			
	MMCRC CHATTANOOGA		
	RESCEN REPLACEMENT	3,690	
	MMCRC CHATTANOOGA		3,690
	**TENNESSEE		24,040
TEXAS			
ARMY			
	FORT BLISS		
	CONSOLIDATED MAINTENANCE FACILITY	14,000	
	FORT BLISS		14,000
	FORT HOOD		
	CLOSE COMBAT TACTICAL TRAINER FACILITY	7,500	
	COLD/DRY STORAGE FACILITY	13,400	
	TACTICAL EQUIPMENT SHOP	5,300	
	TEST AND EVALUATION SUPPORT FACILITY	5,200	
	WHOLE BARRACKS RENOVAL	10,000	
	FORT HOOD		49,400
	FORT SAM HOUSTON		
	MULTI-PURPOSE FAMILY SERVICE	4,351	
	FORT SAM HOUSTON		4,351
	**ARMY		67,751



## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PROJ COST	TOTAL
-----PROJECT NAME-----	-----	-----
TEXAS		
NAVY		
CORPUS CHRISTI NAVAL AIR STATION		
BACHELOR ENLISTED QUARTERS IMPROVEMENTS	1,670	
CORPUS CHRISTI NAVAL AIR STATION		1,670
AIR FORCE		
DYESS AFB		
UPGRADE HYDRANT FUELING SYSTEM, PHASE II	9,500	
WEAPONS STORAGE AREA SECURITY	890	
DYESS AFB		10,390
GOODFELLOW AFB		
BASE ENGINEERING COMPLEX	3,700	
GOODFELLOW AFB		3,700
KELLY AFB		
ADD TO & ALTER DORMITORIES - DBOF	2,000	
ALT WEAPON SYS SUPPORT CTR, PH II - DBOF	7,800	
C-17 ADAL NDI FACILITY - DBOF	4,900	
C-17 ALTDEPOT AVIONICS FACILITY - DBOF	731	
C-17 ENGINEERING TEST LABORATORY	2,600	
UPGRADE SANITARY SEWER MAINS	3,000	
UPGRADE STORM DRAINAGE SYSTEM, PHASE I	2,900	
UPGRADE TAXIWAY	3,550	
KELLY AFB		27,481
LACKLAND AFB		
ALTER BASE SUPPORT FACILITY	5,400	
BASE CONTRACTING CENTER	2,450	
MISSION SUPPORT CENTER	7,543	
TRAINING SERVICES FACILITIES	5,800	
7-LEVEL TRAINING DORMITORY	8,900	
LACKLAND AFB		30,093
LACKLAND TRAINING ANNEX		
VEHICLE MAINTENANCE FACILITY	1,200	
LACKLAND TRAINING ANNEX		1,200
LAUGHLIN AFB		
FIRE STATION	2,400	
UPGRADE AIRFIELD LIGHTING	3,000	
UPGRADE AIRFIELD PAVEMENT	3,250	
LAUGHLIN AFB		8,650
RANDOLPH AFB		
CONTROL TOWER	2,800	
UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	2,500	
RANDOLPH AFB		5,300
REESE AFB		
UNDERGROUND FUEL STORAGE TANKS	900	
REESE AFB		900
SHEPPARD AFB		
ADD TO AND ALTER CHILD DEVELOPMENT CENTER	780	
ENJFT ALTER FLIGHT TRAINING FACILITY	2,200	
FIRE TRAINING FACILITY	850	
7-LEVEL TRAINING DORMITORY	14,200	
SHEPPARD AFB		18,030
**AIR FORCE		105,744
DEFENSE MEDICAL SUPPORT ACTIVITY		
FORT SAM HOUSTON		
COMBAT MEDIC TRAINING COMPLEX	1,400	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PROJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
<b>TEXAS</b>			
DEFENSE MEDICAL SUPPORT ACTIVITY			
FORT SAM HOUSTON		75,000	
HOSPITAL REPLACEMENT PHASE VII		3,400	
MCO ACADEMY-AMEDD CENTER AND SCHOOL			79,800
FORT SAM HOUSTON			
AIR NATIONAL GUARD			
KILLINGTON FIELD		1,600	1,600
REPLACE UNDERGROUND FUEL STORAGE TANKS			
KILLINGTON FIELD			
KELLY AFB			
REPLACE UNDERGROUND FUEL STORAGE TANKS		560	560
KELLY AFB			
**AIR NATIONAL GUARD			2,160
AIR FORCE RESERVE			
KELLY AFB		2,300	2,300
RED HORSE STRUCTURAL/UTILITY FACILITY			
KELLY AFB			
***FAMILY HOUSING***			
AIR FORCE			
DYESS AFB		(281)	
HOUSING MAINTENANCE FACILITY			(281)
DYESS AFB			
FAMILY HOUSING			
LACKLAND AFB			
FAMILY HOUSING (111 UNITS)		(8,770)	
LACKLAND AFB			(8,770)
FAMILY HOUSING			
**AIR FORCE			(9,051)
FAMILY HOUSING			
**TEXAS			259,425
FAMILY HOUSING			(9,051)
<b>UTAH</b>			
ARMY			
DUGWAY PROVING GROUND		16,500	16,500
LIFE SCIENCES TEST FACILITY			
DUGWAY PROVING GROUND			
TOOELE ARMY DEPOT			
TREATY COMPLIANCE FACILITY		1,500	1,500
TOOELE ARMY DEPOT			
**ARMY			18,000
AIR FORCE			
HILL AFB		880	
FIRE TRAINING FACILITY - DBOF		5,100	
UPGDS INDTEL WASTEWATER TREATMT FLT - DBOF		2,400	
UPGRADE WATER DISTRIBUTION SYSTEM			8,380
HILL AFB			
DEFENSE LOGISTICS AGENCY			
DEF REUTILIZATION & MKTG OFC HILL AFB		1,700	1,700
FIRE PROTECTION & OPEN STORAGE			
DEF REUTILIZATION & MKTG OFC HILL AFB			

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
<b>UTAH</b>			
ARMY NATIONAL GUARD			
CAMP WILLIAMS			
	RANGE, INFANTRY SQUAD BATTLE CRSE	1,066	
	RANGE, MAC	850	
	CAMP WILLIAMS		1,916
AIR NATIONAL GUARD			
	SALT LAKE CITY IAP		
	ADAL COMMUNICATION AND ELECTRONICS TRNG	850	
	ALTER COMPOSITE SUPPORT FACILITY	950	
	SITE RESTORATION	2,000	
	SALT LAKE CITY IAP		3,800
			33,796
<b>**UTAH</b>			
<b>VERMONT</b>			
ARMY NATIONAL GUARD			
	CAMP JOHNSON		
	ORGANIZATIONAL MAINT SHOP	1,002	
	CAMP JOHNSON		1,002
JERICHO			
	TRNG SITE, SUPPORT FACILITIES	304	
	JERICHO		304
			1,306
<b>**ARMY NATIONAL GUARD</b>			
AIR NATIONAL GUARD			
	BURLINGTON IAP		
	FIRE STATION	1,500	
	BURLINGTON IAP		1,500
			2,806
<b>**VERMONT</b>			
<b>VIRGINIA</b>			
ARMY			
	FORT BELVOIR		
	OPERATIONS FACILITY	860	
	FORT BELVOIR		860
FORT LEE			
	APPLIED INSTRUCTION FACILITY	12,600	
	WHOLE BARRACKS RENOVAL	20,000	
	FORT LEE		32,600
FORT MYER			
	WHOLE BARRACKS RENOVAL	6,800	
	FORT MYER		6,800
			40,260
<b>**ARMY</b>			
NAVY			
	CHESAPEAKE MARINE CORPS SEC FORCE BATTN NW		
	ACADEMIC INSTRUCTION BUILDING	2,320	
	INDOOR RANGE COMPLEX	3,060	
	CHESAPEAKE MARINE CORPS SEC FORCE BATTN NW		5,380
CRANEY ISLAND FLT & INDUS SUPPLY CTR ANNEX			
	WASTEWATER TREATMENT PLANT MODS - DRDF	11,740	
	CRANEY ISLAND FLT & INDUS SUPPLY CTR ANNEX		11,740
NORFOLK CDR OPERATIONAL TEST & EVAL FORCE			
	OPERATIONS TEST & EVALUATION MGMT CTR	8,100	
	NORFOLK CDR OPERATIONAL TEST & EVAL FORCE		8,100

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME-----	PRCJ COST	TOTAL
VIRGINIA			
NAVY			
	NORFOLK NAVAL AIR STATION		
	BACHELOR ENLISTED QUARTERS	12,270	12,270
	NORFOLK NAVAL AIR STATION		
	NORFOLK NAVAL AVIATION DEPOT		
	AIRCRAFT REWORK FACILITY - DBOF	17,800	17,800
	NORFOLK NAVAL AVIATION DEPOT		
	NORFOLK NAVY PUBLIC WORKS CENTER		
	TRASH RECYCLE FACILITY ADDITION - DBOF	5,330	5,330
	NORFOLK NAVY PUBLIC WORKS CENTER		
	PORTSMOUTH NORFOLK NAVAL SHIPYARD		
	BACHELOR ENLISTED QUARTERS	13,420	13,420
	PORTSMOUTH NORFOLK NAVAL SHIPYARD		
	QUANTICO MARINE CORPS COMBAT DEV COMMAND		
	ANTI-ARMOR TRACKING & LIVE FIRE RANGE	3,600	
	CHILD DEVELOPMENT CENTER	3,850	7,450
	QUANTICO MARINE CORPS COMBAT DEV COMMAND		
	WALLOPS IS NAVAL SURFACE WEAPONS CTR DET		
	SHIP SELF-DEFENSE ENGINEERING FACILITY	10,170	10,170
	WALLOPS IS NAVAL SURFACE WEAPONS CTR DET		
			<hr/>
**NAVY			91,660
AIR FORCE			
	LANGLEY AFB		
	ADD TO AND ALTER CARS OPERATIONS FACILITY	5,373	
	BASE ENGINEERING COMPLEX, PHASE II	4,000	
	FIRE STATION	3,850	
	RESTORE KING STREET BRIDGE	4,100	
	UNDERGROUND FUEL STORAGE TANKS	500	
	LANGLEY AFB		17,823
	SPECIAL OPERATIONS COMMAND		
	NAVAL AMPHIBIOUS BASE, LITTLE CREEK		
	SOF SPECBOATRON FPC SUPPORT	7,500	7,500
	NAVAL AMPHIBIOUS BASE, LITTLE CREEK		
	DEFENSE LOGISTICS AGENCY		
	FT. BELVOIR		
	ADMINISTRATIVE BUILDING	5,200	5,200
	FT. BELVOIR		
	DEFENSE GENERAL SUPPLY CENTER		
	ALTER HAZARDOUS MATERIAL WAREHOUSE	2,900	
	HAZARDOUS MATERIAL PROCESSING FACILITY	4,600	
	SHEDS FOR OIL STORAGE	9,500	
	DEFENSE GENERAL SUPPLY CENTER		17,000
			<hr/>
**DEFENSE LOGISTICS AGENCY			22,200
	DOD DEPENDENT SCHOOLS		
	QUANTICO MARINE CORPS COMBAT DEV COMMAND		
	QUANTICO HIGH ADMIN	422	422
	QUANTICO MARINE CORPS COMBAT DEV COMMAND		
	DEFENSE MEDICAL SUPPORT ACTIVITY		
	FORT EUSTIS		
	LIFE SAFETY UPGRADE	3,650	3,650
	FORT EUSTIS		
	PORTSMOUTH NAVAL HOSPITAL		
	HOSPITAL REPLACEMENT V	211,900	211,900
	PORTSMOUTH NAVAL HOSPITAL		
			<hr/>
**DEFENSE MEDICAL SUPPORT ACTIVITY			215,550

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (5 THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
<b>VIRGINIA</b>			
AIR NATIONAL GUARD			
CAMP PENDLETON ANG			
BASE ENGINEER MAINTENANCE AND STORAGE FAC	1,150		
CAMP PENDLETON ANG			1,150
RICHARD E BYRD IAP			
ADAL FUEL SYSTEMS MAINTENANCE DOCK	1,300		
REPLACE UNDERGROUND FUEL STORAGE TANKS	1,100		
RICHARD E BYRD IAP			2,400
			-----
**AIR NATIONAL GUARD			3,550
<b>NAVY RESERVE</b>			
MCRC DAMNECK			
ELECTRONIC MAINT SHOP	1,000		
MCRC DAMNECK			1,000
<b>***FAMILY HOUSING***</b>			
<b>NAVY</b>			
NAVAL AIR STATION OCEANA			
NEW CONSTRUCTION (COMMUNITY CENTER)	(860)		
NAVAL AIR STATION OCEANA			
FAMILY HOUSING			(860)
NAVAL COMPLEX NORFOLK			
NEW CONSTRUCTION (392 HOMES)	(50,674)		
NAVAL COMPLEX NORFOLK			
FAMILY HOUSING			(50,674)
			-----
**NAVY			(51,534)
<b>AIR FORCE</b>			
LANGLEY AFB			
HOUSING OFFICE	(452)		
LANGLEY AFB			
FAMILY HOUSING			(452)
			-----
**VIRGINIA			399,965
FAMILY HOUSING			(51,986)
<b>WASHINGTON</b>			
<b>ARMY</b>			
FORT LEWIS			
INCINERATOR BUILDING COMPLETION	14,200		
FORT LEWIS			14,200
<b>NAVY</b>			
BANGOR NAVAL SUBMARINE BASE			
MESS HALL ADDITION	1,720		
OILY WASTE TREATMENT FACILITY	1,380		
BANGOR NAVAL SUBMARINE BASE			3,100
EVERETT NAVAL STATION			
BREAKWATER	22,200		
STEAM PLANT	11,800		
EVERETT NAVAL STATION			34,000
KEYPORT NAVAL UNDERSEA WARFARE CENTER DIV			
HAZARDOUS WASTE STORAGE FACILITY - DBOF	8,980		
KEYPORT NAVAL UNDERSEA WARFARE CENTER DIV			8,980
			-----
**NAVY			46,080



## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PROJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
WASHINGTON			
AIR FORCE			
FAIRCHILD AFB	INTELLIGENCE TECHNICAL TRAINING FACILITY	3,500	
FAIRCHILD AFB			3,500
MCCHORD AFB			
ADD TO & ALTER DORMITORIES - DBOF		6,500	
CHILD DEVELOPMENT CTR COMPLEX - DBOF		4,400	
MCCHORD AFB			10,900
**AIR FORCE			14,400
DEFENSE MEDICAL SUPPORT ACTIVITY			
FAIRCHILD AIR FORCE BASE			
UTILITY/LIFE SAFETY UPGRADE		8,250	
FAIRCHILD AIR FORCE BASE			8,250
ARMY NATIONAL GUARD			
YAKIMA TRAINING CENTER (YAKIMA)			
RANGE, MACHINE GUN MODIFICATION		1,527	
YAKIMA TRAINING CENTER (YAKIMA)			1,527
AIR NATIONAL GUARD			
BELLINGHAM MUNICIPAL AIRPORT ANG			
REPLACE UNDERGROUND FUEL STORAGE TANKS		420	
BELLINGHAM MUNICIPAL AIRPORT ANG			420
CAMP MURRAY			
REPLACE UNDERGROUND FUEL STORAGE TANKS		380	
CAMP MURRAY			380
FOUR LAKES COMMUNICATIONS STATION			
REPLACE UNDERGROUND FUEL STORAGE TANKS		360	
FOUR LAKES COMMUNICATIONS STATION			360
PAINE FIELD ANG STATION			
REPLACE UNDERGROUND FUEL STORAGE TANKS		320	
PAINE FIELD ANG STATION			320
SEATTLE AIR NATIONAL GUARD BASE			
REPLACE UNDERGROUND FUEL STORAGE TANKS		320	
SEATTLE AIR NATIONAL GUARD BASE			320
**AIR NATIONAL GUARD			1,800
ARMY RESERVE			
FORT LEWIS			
USARC/OMS/AMSA/ECS/WAREHOUSE		14,703	
FORT LEWIS			14,703
NAVY RESERVE			
JOINT TRAINING CENTER EVERETT			
RESCEN REPLACEMENT		2,550	
JOINT TRAINING CENTER EVERETT			2,550
***FAMILY HOUSING***			
NAVY			
NAVAL SUBMARINE BASE BANGOR			
NEW CONSTRUCTION (290 HOMES)		(27,438)	
NAVAL SUBMARINE BASE BANGOR			(27,438)
FAMILY HOUSING			
AIR FORCE			
FAIRCHILD AFB			
FAMILY HOUSING (1 UNIT)		(184)	
FAIRCHILD AFB			(184)
FAMILY HOUSING			
**WASHINGTON			103,510
FAMILY HOUSING			(27,622)



## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
WEST VIRGINIA			
AIR NATIONAL GUARD			
	E WV REGIONAL APT (MARTINSBURG)		
	ADD TO AERIAL PORT TRAINING FACILITY	390	
	E WV REGIONAL APT (MARTINSBURG)		390
YEAGER AIRPORT			
	REPLACE UNDERGROUND FUEL STORAGE TANKS	370	
	YEAGER AIRPORT		370
**AIR NATIONAL GUARD			760
WISCONSIN			
AIR NATIONAL GUARD			
	BILLY MITCHELL FIELD		
	REPLACE UNDERGROUND FUEL STORAGE TANKS	600	
	BILLY MITCHELL FIELD		600
TRUAX FIELD			
	FIRE STATION	1,400	
	TRUAX FIELD		1,400
VOLK FIELD			
	REPLACE UNDERGROUND FUEL STORAGE TANKS	510	
	VOLK FIELD		510
**AIR NATIONAL GUARD			2,510
NAVY RESERVE			
	NMCR GREEN BAY		
	RESCEN ADDITION	650	
	NMCR GREEN BAY		650
AIR FORCE RESERVE			
	BILLY MITCHELL FIELD		
	ADD FIRE PROTECTION TO AIRCRAFT HANGARS	1,500	
	UPGRADE BASE FUELS COMPLEX	1,800	
	BILLY MITCHELL FIELD		3,300
***FAMILY HOUSING***			
ARMY			
	FORT MCCOY		
	REPLACEMENT CONSTRUCTION (16)	(2,950)	
	FORT MCCOY		
	FAMILY HOUSING		(2,950)
**WISCONSIN			6,460
FAMILY HOUSING			(2,950)
WYOMING			
AIR FORCE			
	F E WARREN AFB		
	REMOTE MISSILE CREW FACILITIES	3,800	
	RENOVATE SECURITY POLICE OPERATIONS	6,000	
	UNDERGROUND FUEL STORAGE TANKS	2,200	
	WEAPONS STORAGE AREA SECURITY	640	
	F E WARREN AFB		12,640
***FAMILY HOUSING***			
AIR FORCE			
	F E WARREN AFB		
	FAMILY HOUSING (107 UNITS)	(10,572)	
	F E WARREN AFB		
	FAMILY HOUSING		(10,572)
**WYOMING			12,640
FAMILY HOUSING			(10,572)

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES INSIDE THE UNITED STATES (\$ THOUSANDS)		PROJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME		
CONUS CLASSIFIED			
ARMY			
	CLASSIFIED LOCATIONS		
	CLASSIFIED PROJECT	3,000	
	CLASSIFIED LOCATIONS		3,000
AIR FORCE			
	CLASSIFIED LOCATION		
	OMEGA FACILITIES	2,600	
	SPECIAL TACTICAL UNIT DETENTION FACILITY	5,540	
	CLASSIFIED LOCATION		8,140
DEFENSE LEVEL ACTIVITIES			
	OSD MILCON		
	CLASSIFIED LOCATION	5,600	
	OSD MILCON		5,600
AIR FORCE RESERVE			
	AIR FORCE RESERVE		
	CONSTRUCT AIRCRAFT PARKING APRON	8,000	
	AIR FORCE RESERVE		8,000
**CONUS CLASSIFIED			24,740
CONUS VARIOUS			
NAVY			
	CONUS VARIOUS		
	WASTEWATER COLLECTION & TREATMENT SYSTEM	3,260	
	CONUS VARIOUS		3,260
TOTALS			
ARMY			
	FAMILY HOUSING		749,593 {138,950}
NAVY			
	FAMILY HOUSING		507,250 {138,679}
AIR FORCE			
	AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		975,908 (9,200)
	FAMILY HOUSING		{90,064}
DEFENSEWIDE			925,342
INSIDE THE UNITED STATES			3,158,093
	AUTHORIZED FOR APPROPRIATION IN PRIOR YEAR		(9,200)
	FAMILY HOUSING		{367,693}

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES SPECIFIED OUTSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
<b>ANTIGUA</b>			
AIR FORCE			
ANTIGUA ISLAND			
	SLFI-UPGRADE BACKUP GENERATOR	1,000	
	SLFI-WASTEWATER TREATMENT PLANT	3,400	
	ANTIGUA ISLAND		4,400
<b>DIEGO GARCIA</b>			
AIR FORCE			
DIEGO GARCIA			
	GPS INSTRUMENTATION FACILITY	1,700	
	SATELLITE TRACKING STORAGE FACILITY	560	
	DIEGO GARCIA		2,260
DEFENSE LOGISTICS AGENCY			
	DIEGO GARCIA		
	FUEL TANKAGE	9,558	
	DIEGO GARCIA		9,558
<b>**DIEGO GARCIA</b>			11,818
<b>GERMANY</b>			
AIR FORCE			
RAMSTEIN AB			
	CHILD DEVELOPMENT CENTER	3,100	
	RAMSTEIN AB		3,100
<b>GREENLAND</b>			
AIR FORCE			
THULE AB			
	WASTEWATER TREATMENT PLANT	5,492	
	THULE AB		5,492
<b>GUAM</b>			
NAVY			
ANDERSON AIR FORCE BASE NAVAL AIR FACILITY			
	BACHELOR ENLISTED QUARTERS RENOVATION	3,560	
	BACHELOR OFFICER QUARTERS MODERNIZATION	3,750	
	ANDERSON AIR FORCE BASE NAVAL AIR FACILITY		7,310
FLEET AND INDUSTRIAL SUPPLY CENTER			
	GAS BOTTLE STORAGE FACILITY - DBOF	1,240	
	INTEGRATED STORAGE HANDLG FACILITY - DBOF	21,200	
	FLEET AND INDUSTRIAL SUPPLY CENTER		22,440
MILITARY SEALIFT COMMAND OFFICE			
	MILITARY SEALIFT COMMAND OPERATIONS BLDG	2,170	
	MILITARY SEALIFT COMMAND OFFICE		2,170
NAVAL HOSPITAL			
	CHILD DEVELOPMENT CENTER	2,460	
	NAVAL HOSPITAL		2,460
NAVAL MAGAZINE			
	INERT STOREHOUSES	3,750	
	NAVAL MAGAZINE		3,750
NAVAL OCEANOGRAPHY COMMAND CENTER			
	OCEANOGRAPHY BUILDING ALTERATIONS	690	
	NAVAL OCEANOGRAPHY COMMAND CENTER		690
NAVAL STATION			
	CHILD DEVELOPMENT CENTER ADDITION	2,020	

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES SPECIFIED OUTSIDE THE UNITED STATES (\$ THOUSANDS)		PRCJ COST	TOTAL
STATE/COMP./INSTALLATION	PROJECT NAME-----		
GUAM			
NAVY			
	NAVAL STATION		
	EXPLOSIVE ORDNANCE DISPOSAL OPERS PAC	12,500	
	NAVAL STATION		14,520
	NAVY PUBLIC WORKS CENTER		
	SEWERAGE TREATMENT PLANT - DBOF	7,230	
	TRANSPORTATION PARTS STORAGE PAC - DBOF	1,610	
	WATERFRONT UTILITIES - DBOF	11,840	
	NAVY PUBLIC WORKS CENTER		20,680
	**NAVY		74,020
AIR FORCE			
	ANDERSEN AFB		
	UNDERGROUND FUEL STORAGE TANKS	4,100	
	ANDERSEN AFB		4,100
AIR NATIONAL GUARD			
	ANDERSON AFB		
	BASE SUPPLIES AND EQUIPMENT WAREHOUSE	400	
	ANDERSON AFB		400
	**GUAM		78,520
ITALY			
NAVY			
	NAPLES NAVAL SUPPORT ACTIVITY		
	QUALITY OF LIFE (INCREMENT I)	11,740	
	NAPLES NAVAL SUPPORT ACTIVITY		11,740
	SIGONELLA NAVAL AIR STATION		
	CHILD DEVELOPMENT CENTER	3,460	
	SIGONELLA NAVAL AIR STATION		3,460
	**NAVY		15,200
***FAMILY HOUSING***			
AIR FORCE			
	COMISO AB		
	FAMILY HOUSING (460 UNITS)	{20,200}	
	COMISO AB		
	FAMILY HOUSING		{20,200}
	**ITALY		15,200
	FAMILY HOUSING		{20,200}
KWAJALEIN			
ARMY			
	KWAJALEIN		
	SEWAGE TREATMENT FACILITY	11,200	
	UNACCOMPANIED PERSONNEL HOUSING	10,000	
	KWAJALEIN		21,200
OMAN			
AIR FORCE			
	THUMGAIT AB		
	WAR READINESS MATERIEL COVERED STORAGE PAC	1,800	
	THUMGAIT AB		1,800
PUERTO RICO			
	DEFENSE LOGISTICS AGENCY		
	DEFENSE FUEL SUPPORT POINT ROOSEVELT ROADS		
	FUEL TANKAGE	5,800	
	DEFENSE FUEL SUPPORT POINT ROOSEVELT ROADS		5,800

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES SPECIFIED OUTSIDE THE UNITED STATES (\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
<b>PUERTO RICO</b>			
AIR NATIONAL GUARD			
PUERTO RICO IAP			
ADD TO AND ALTER F-16 AVIONICS SHOP		320	
ALTER FUEL SYSTEMS MAINTENANCE FACILITY		750	
UPGRADE F-16 ACFT PKNG RAMP SECURITY SYS		2,000	
PUERTO RICO IAP			3,070
<b>**PUERTO RICO</b>			<b>6,870</b>
<b>***FAMILY HOUSING***</b>			
<b>SCOTLAND</b>			
NAVY			
NAVAL SECURITY GROUP ACTIVITY EDZELL			
NEW CONSTRUCTION (40 HOMES)		(6,000)	
NAVAL SECURITY GROUP ACTIVITY EDZELL			
FAMILY HOUSING			(6,000)
<b>SPAIN</b>			
NAVY			
ROTA NAVAL STATION			
CHILD DEVELOPMENT CENTER		2,670	
ROTA NAVAL STATION			2,670
<b>TURKEY</b>			
AIR FORCE			
INCIRLIK AB			
ADD TO AND ALTER DORMITORIES		2,400	
INCIRLIK AB			2,400
<b>UNITED KINGDOM</b>			
AIR FORCE			
RAF MILDENHALL			
NAVAL AIR FACILITY		4,800	
RAF MILDENHALL			4,800
<b>***FAMILY HOUSING***</b>			
NAVY			
NAVAL ACTIVITIES LONDON			
NEW CONSTRUCTION (81 HOMES)		(15,470)	
NAVAL ACTIVITIES LONDON			
FAMILY HOUSING			(15,470)
<b>**UNITED KINGDOM</b>			<b>4,800</b>
FAMILY HOUSING			(15,470)
<b>OVERSEAS CLASSIFIED</b>			
ARMY			
OVERSEAS CLASSIFIED			
COMMUNICATIONS MAINTENANCE FACILITY		3,600	
OVERSEAS CLASSIFIED			3,600
AIR FORCE			
OVERSEAS CLASSIFIED			
WAR READINESS MATERIEL WAREHOUSE		5,500	
OVERSEAS CLASSIFIED			5,500
DEFENSE LEVEL ACTIVITIES			
OVERSEAS CLASSIFIED			
CLASSIFIED PROJECT		10,755	
OVERSEAS CLASSIFIED			10,755
<b>**OVERSEAS CLASSIFIED</b>			<b>19,855</b>

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES  
SPECIFIED OUTSIDE THE UNITED STATES  
(\$ THOUSANDS)

STATE/COMP./INSTALLATION	PROJ COST	TOTAL
-----PROJECT NAME-----	-----	-----
<b>TOTALS</b>		
ARMY		24,800
NAVY		91,890
FAMILY HOUSING		(21,470)
AIR FORCE		37,322
FAMILY HOUSING		(20,200)
DEFENSEWIDE		26,113
SPECIFIED OUTSIDE THE UNITED STATES		180,125
FAMILY HOUSING		(41,670)



## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

STATE/COMP./INSTALLATION	PROJECT NAME-----	PROJ COST	TOTAL
ACTIVE, GUARD AND RESERVE FORCES			
UNSPECIFIED WORLDWIDE			
(\$ THOUSANDS)			
-----			
WORLDWIDE UNSPECIFIED			
NATO INFRASTRUCTURE			
	DEFENSE LEVEL ACTIVITIES	240,000	
	NATO INFRASTRUCTURE		240,000
BASE REALIGNMENT & CLOSURE PART I			
	DEFENSE LEVEL ACTIVITIES	92,870	
	BASE REALIGNMENT & CLOSURE PART I		92,870
BASE REALIGNMENT & CLOSURE PART II			
	DEFENSE LEVEL ACTIVITIES	1,800,500	
	BASE REALIGNMENT & CLOSURE PART II *		1,800,500
CONTINGENCY CONSTRUCTION			
	DEFENSE LEVEL ACTIVITIES	12,200	
	CONTINGENCY CONSTRUCTION		12,200
UNSPECIFIED MINOR CONSTRUCTION			
	ARMY	12,000	
	NAVY	5,500	
	AIR FORCE	6,844	
	ON-SITE INSPECTION AGENCY	812	
	SPECIAL OPERATIONS COMMAND	2,922	
	STRATEGIC DEFENSE INITIATIVE ORGANIZATION	2,192	
	DEFENSE LEVEL ACTIVITIES	2,000	
	JOINT CHIEFS OF STAFF	5,975	
	DOD DEPENDENT SCHOOLS	4,000	
	DEFENSE MEDICAL SUPPORT ACTIVITY	3,757	
	ARMY NATIONAL GUARD	5,000	
	AIR NATIONAL GUARD	4,000	
	ARMY RESERVE	2,100	
	NAVY RESERVE	1,042	
	AIR FORCE RESERVE	3,904	
	UNSPECIFIED MINOR CONSTRUCTION		62,048
PLANNING AND DESIGN			
	ARMY	84,441	
	NAVY	64,373	
	AIR FORCE	63,180	
	SPECIAL OPERATIONS COMMAND	5,700	
	STRATEGIC DEFENSE INITIATIVE ORGANIZATION	535	
	DEFENSE LEVEL ACTIVITIES	10,305	
	DEFENSE MEDICAL SUPPORT ACTIVITY	25,865	
	ARMY NATIONAL GUARD	522	
	AIR NATIONAL GUARD	9,900	
	ARMY RESERVE	4,897	
	NAVY RESERVE	1,359	
	AIR FORCE RESERVE	3,400	
	PLANNING AND DESIGN		274,477
ENERGY CONSERVATION IMPROVEMENT PROGRAM			
	DEFENSE LEVEL ACTIVITIES	50,000	
	ENERGY CONSERVATION IMPROVEMENT PROGRAM		50,000
ARMY - HOST NATION SUPPORT			
	ARMY	25,000	
	ARMY - HOST NATION SUPPORT		25,000
WORLDWIDE UNSPECIFIED			2,557,095
WORLDWIDE VARIOUS			
NAVY			
	LAND ACQUISITION-WORLDWIDE VARIOUS		
	LAND ACQUISITION	1,340	
	LAND ACQUISITION-WORLDWIDE VARIOUS		1,340

\*Excludes the \$1.2 billion estimated to be required in FY 1994 to implement the 1993 Base Closure Commission's recommendations.

## FY 1994 MILITARY CONSTRUCTION TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

ACTIVE, GUARD AND RESERVE FORCES UNSPECIFIED WORLDWIDE (\$ THOUSANDS)		
STATE/COMP./INSTALLATION -----PROJECT NAME-----	PROJ COST -----	TOTAL -----
WORLDWIDE VARIOUS		
NAVY		
VARIOUS LOCATIONS-WORLDWIDE VARIOUS		
HOST NATION INFRASTRUCTURE SUPPORT	2,960	
VARIOUS LOCATIONS-WORLDWIDE VARIOUS		2,960
NAVY		4,300
ARMY NATIONAL GUARD		
UNSPECIFIED LOCATIONS-WORLDWIDE VARIOUS		
INDOOR RANGE MODERNIZATION	637	
UNSPECIFIED LOCATIONS-WORLDWIDE VARIOUS		637
VARIOUS LOCATIONS-WORLDWIDE VARIOUS		
ARMORY UNIT STORAGE BUILDINGS	750	
VARIOUS LOCATIONS-WORLDWIDE VARIOUS		750
ARMY NATIONAL GUARD		1,387
WORLDWIDE VARIOUS		5,687
 TOTALS		
ARMY		135,347
NAVY		76,574
AIR FORCE		91,228
DEFENSEWIDE		2,259,633
UNSPECIFIED WORLDWIDE		2,562,782

## FY 1994 FAMILY HOUSING TCTAL OBLIGATIONAL AUTHORITY AS REQUESTED

(\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
<b>ARMY</b>			
NEW CONSTRUCTION			
CALIFORNIA			
FORT IRWIN			
	NEW CONSTRUCTION (220)	25,000	
	FORT IRWIN		25,000
HAWAII			
SCHOFIELD BARRACKS			
	NEW CONST(125)(18.0M) + REPL(135)(21.0M)	39,000	
	NEW CONSTRUCTION (88)	13,000	
	SCHOFIELD BARRACKS		52,000
MARYLAND			
FORT MEADE			
	REPLACEMENT CONSTRUCTION (275)	26,000	
	FORT MEADE		26,000
NEW YORK			
U S MILITARY ACADEMY			
	REPLACEMENT CONSTRUCTION (100)	15,000	
	U S MILITARY ACADEMY		15,000
NORTH CAROLINA			
FORT BRAGG			
	REPLACEMENT CONSTRUCTION (224)	18,000	
	FORT BRAGG		18,000
WISCONSIN			
FORT MCCOY			
	REPLACEMENT CONSTRUCTION (16)	2,950	
	FORT MCCOY		2,950
NEW CONSTRUCTION			138,950
CONSTRUCTION IMPROVEMENTS			67,530
PLANNING			11,805
TOTAL FAMILY HOUSING, ARMY	CONSTRUCTION		218,285
OPERATING EXPENSES			
	FURNISHINGS ACCOUNT	41,707	
	MANAGEMENT ACCOUNT	81,163	
	MISCELLANEOUS ACCOUNT	1,840	
	SERVICES ACCOUNT	62,447	
	UTILITIES ACCOUNT	281,348	
	OPERATING EXPENSES		468,505
LEASING			268,139
MAINTENANCE OF REAL PROPERTY			388,528
TOTAL FAMILY HOUSING, ARMY	OPERATIONS		1,125,172
INTEREST PAYMENTS			17
TOTAL FAMILY HOUSING, ARMY	DEBT		17
GRAND TOTAL FAMILY HOUSING, ARMY			1,343,474
<b>NAVY</b>			
NEW CONSTRUCTION			
CALIFORNIA			
PUBLIC WORKS CENTER SAN DIEGO			
	NEW CONSTRUCTION (318 HOMES)	36,571	
	PUBLIC WORKS CENTER SAN DIEGO		36,571

## FY 1994 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

(S THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
NAVY			
NEW CONSTRUCTION			
DISTRICT OF COLUMBIA			
PUBLIC WORKS CENTER WASHINGTON DC			
NEW CONSTRUCTION (188 HOMES)		21,556	
PUBLIC WORKS CENTER WASHINGTON DC			21,556
FLORIDA			
PUBLIC WORKS CENTER PENSACOLA			
NEW CONSTRUCTION (SELF HELP/WAREHOUSE)		300	
PUBLIC WORKS CENTER PENSACOLA			300
GEORGIA			
NAVAL SUBMARINE SUPPORT BASE KINGS BAY			
NEW CONSTRUCTION (CMH CNTR/SELF HLP/HHSE)		790	
NAVAL SUBMARINE SUPPORT BASE KINGS BAY			790
MAINE			
NAS BRUNSWICK			
NEW CONSTRUCTION (MOBILE HOME SPACES)		490	
NAS BRUNSWICK			490
VIRGINIA			
NAVAL AIR STATION OCEANA			
NEW CONSTRUCTION (COMMUNITY CENTER)		860	
NAVAL AIR STATION OCEANA			860
NAVAL COMPLEX NORFOLK			
NEW CONSTRUCTION (392 HOMES)		50,674	
NAVAL COMPLEX NORFOLK			50,674
VIRGINIA			51,534
WASHINGTON			
NAVAL SUBMARINE BASE BANGOR			
NEW CONSTRUCTION (290 HOMES)		27,438	
NAVAL SUBMARINE BASE BANGOR			27,438
SCOTLAND			
NAVAL SECURITY GROUP ACTIVITY EDZELL			
NEW CONSTRUCTION (40 HOMES)		6,000	
NAVAL SECURITY GROUP ACTIVITY EDZELL			6,000
UNITED KINGDOM			
NAVAL ACTIVITIES LONDON			
NEW CONSTRUCTION (81 HOMES)		15,470	
NAVAL ACTIVITIES LONDON			15,470
NEW CONSTRUCTION			160,149
CONSTRUCTION IMPROVEMENTS		190,696	190,696
PLANNING		22,924	22,924
TOTAL FAMILY HOUSING, NAVY	CONSTRUCTION		373,769
OPERATING EXPENSES			
FURNISHINGS ACCOUNT		36,904	
MANAGEMENT ACCOUNT		87,769	
MISCELLANEOUS ACCOUNT		1,133	
SERVICES ACCOUNT		45,347	
UTILITIES ACCOUNT		194,952	
OPERATING EXPENSES			366,105
LEASING		113,308	113,308
MAINTENANCE OF REAL PROPERTY		355,554	355,554
TOTAL FAMILY HOUSING, NAVY	OPERATIONS		834,967

## FY 1994 FAMILY HCUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

(5 THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PRCJ COST	TOTAL
<b>NAVY</b>			
	MORTGAGE INSURANCE PREMIUMS	88	88
	TOTAL FAMILY HOUSING, NAVY DEBT		88
	GRAND TOTAL FAMILY HOUSING, NAVY		1,208,824
<b>AIR FORCE</b>			
<b>NEW CONSTRUCTION</b>			
<b>ALABAMA</b>			
	MAXWELL AFB		
	FAMILY HOUSING (55 UNITS)	4,080	4,080
	MAXWELL AFB		
<b>ARKANSAS</b>			
	LITTLE ROCK AFB		
	HOUSING OFFICE AND MAINTENANCE FACILITY	980	980
	LITTLE ROCK AFB		
<b>CALIFORNIA</b>			
	VANDENBERG AFB		
	FAMILY HOUSING (166 UNITS)	21,907	21,907
	VANDENBERG AFB		
<b>FLORIDA</b>			
	PATRICK AFB		
	FAMILY HOUSING (155 UNITS)	15,388	15,388
	PATRICK AFB		
	TYNDALL AFB		
	INFRASTRUCTURE	5,732	5,732
	TYNDALL AFB		21,120
	FLORIDA		
<b>GEORGIA</b>			
	ROBINS AFB		
	FAMILY HOUSING (118 UNITS)	7,424	7,424
	ROBINS AFB		
<b>LOUISIANA</b>			
	BARKSDALE AFB		
	FAMILY HOUSING (117 UNITS)	8,578	8,578
	BARKSDALE AFB		
<b>MASSACHUSETTS</b>			
	HANSCOM AFB		
	FAMILY HOUSING (46 UNITS)	5,135	5,135
	HANSCOM AFB		
<b>MONTANA</b>			
	MAHMSTROM AFB		
	HOUSING OFFICE	581	581
	MAHMSTROM AFB		
<b>TEXAS</b>			
	DYESS AFB		
	HOUSING MAINTENANCE FACILITY	281	281
	DYESS AFB		
	LACKLAND AFB		
	FAMILY HOUSING (111 UNITS)	8,770	8,770
	LACKLAND AFB		9,051
	TEXAS		
<b>VIRGINIA</b>			
	LANGLEY AFB		
	HOUSING OFFICE	452	452
	LANGLEY AFB		

## FY 1994 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

(\$ THOUSANDS)			
STATE/COMP./INSTALLATION	PROJECT NAME	PROJ COST	TOTAL
AIR FORCE			
NEW CONSTRUCTION			
WASHINGTON			
FAIRCHILD AFB			
FAMILY HOUSING (1 UNIT)		184	
FAIRCHILD AFB			184
WYOMING			
F E WARREN AFB			
FAMILY HOUSING (107 UNITS)		10,572	
F E WARREN AFB			10,572
ITALY			
COMISO AB			
FAMILY HOUSING (460 UNITS)		20,200	
COMISO AB			20,200
NEW CONSTRUCTION			
			110,264
CONSTRUCTION IMPROVEMENTS		53,070	53,070
PLANNING		9,901	9,901
TOTAL FAMILY HOUSING, AIR FORCE CONSTRUCTION			173,235
OPERATING EXPENSES			
FURNISHINGS ACCOUNT		43,543	
MANAGEMENT ACCOUNT		44,282	
MISCELLANEOUS ACCOUNT		4,639	
SERVICES ACCOUNT		28,183	
UTILITIES ACCOUNT		211,036	
OPERATING EXPENSES			331,603
LEASING		118,266	118,266
MAINTENANCE OF REAL PROPERTY		403,942	403,942
TOTAL FAMILY HOUSING, AIR FORCE OPERATIONS			853,891
MORTGAGE INSURANCE PREMIUMS		21	21
TOTAL FAMILY HOUSING, AIR FORCE DEBT			21
GRAND TOTAL FAMILY HOUSING, AIR FORCE			1,027,147
NATIONAL SECURITY AGENCY			
CONSTRUCTION IMPROVEMENTS		50	50
OPERATING EXPENSES			
FURNISHINGS ACCOUNT		71	
MANAGEMENT ACCOUNT		62	
MISCELLANEOUS ACCOUNT		26	
SERVICES ACCOUNT		366	
UTILITIES ACCOUNT		432	
OPERATING EXPENSES			957
LEASING		10,414	10,414
MAINTENANCE OF REAL PROPERTY		228	228
TOTAL FAMILY HOUSING, NSA			11,649
DEF INTELLIGENCE AGENCY			
OPERATING EXPENSES			
FURNISHINGS ACCOUNT		1,865	
OPERATING EXPENSES			1,865

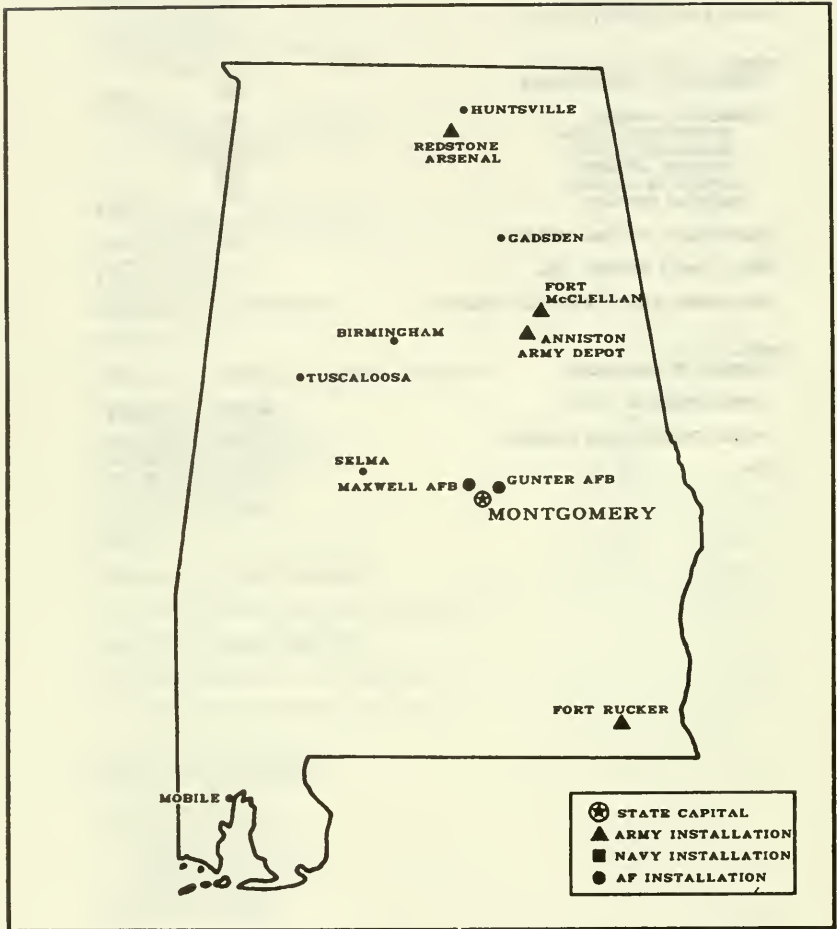


## FY 1994 FAMILY HOUSING TOTAL OBLIGATIONAL AUTHORITY AS REQUESTED

(\$ THOUSANDS)		
STATE/COMP./INSTALLATION	PROJ COST	TOTAL
-----PROJECT NAME-----		
DEF INTELLIGENCE AGENCY		
LEASING	12,468	12,468
TOTAL FAMILY HOUSING, DIA		14,333
DEFENSE LOGISTICS AGENCY		
CONSTRUCTION IMPROVEMENTS	109	109
OPERATING EXPENSES		
FURNISHINGS ACCOUNT	41	
MANAGEMENT ACCOUNT	158	
SERVICES ACCOUNT	50	
UTILITIES ACCOUNT	466	
OPERATING EXPENSES		715
MAINTENANCE OF REAL PROPERTY	690	690
TOTAL FAMILY HOUSING, DLA		1,514
GRAND TOTAL FAMILY HOUSING, DEFENSE		27,496
ARMY		
PAYMENT TO HOMEOWNERS	5,755	5,755
OTHER OPERATING COSTS	24,604	24,604
ACQUISITION OF REAL PROPERTY	127,393	127,393
ARMY		157,752

## MAP NO. 1

## ALABAMA



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## MAP NO. 2

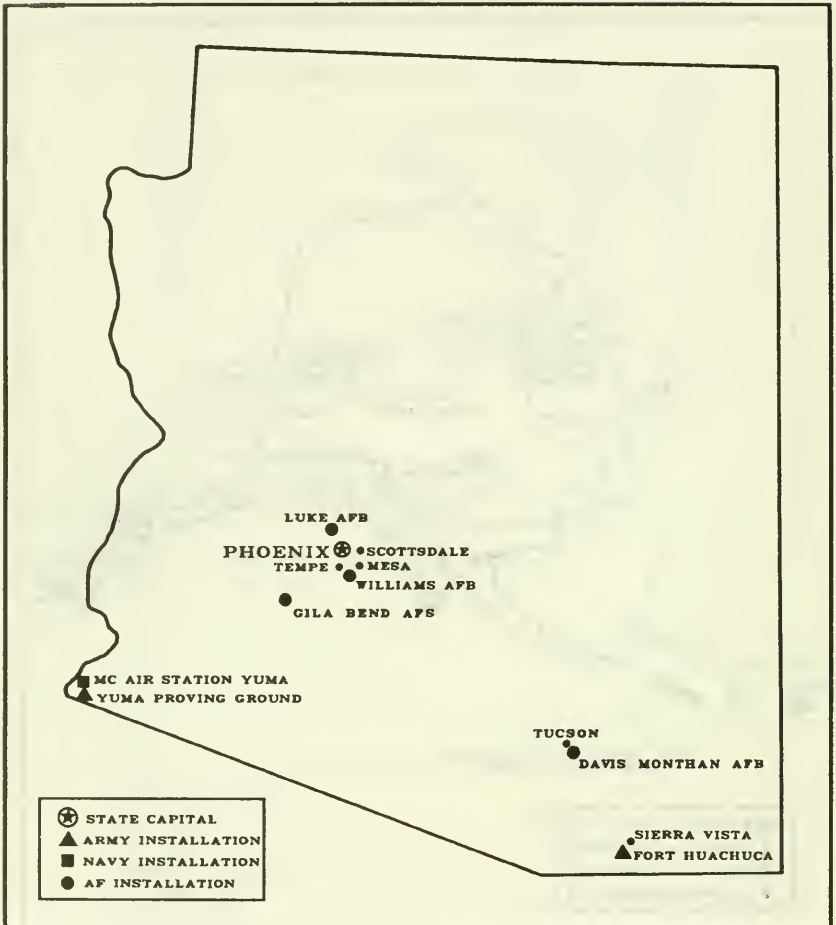
## ALASKA



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# MAP NO. 3

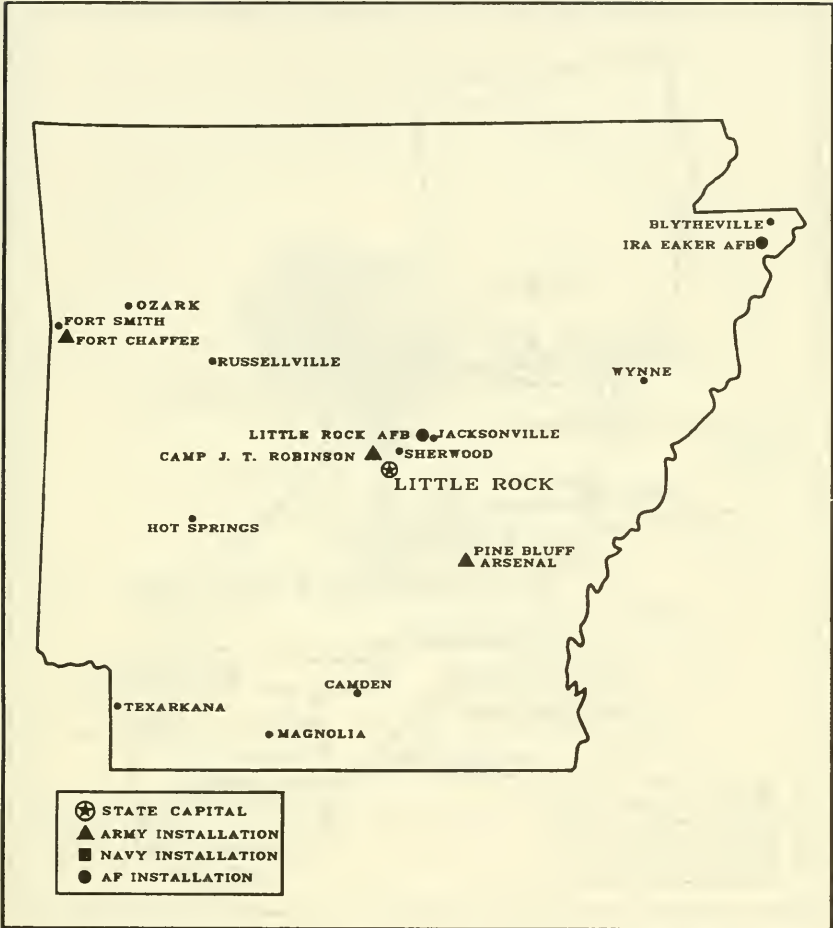
## ARIZONA



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## MAP NO. 4

## ARKANSAS



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## MAP NO. 5

## CALIFORNIA

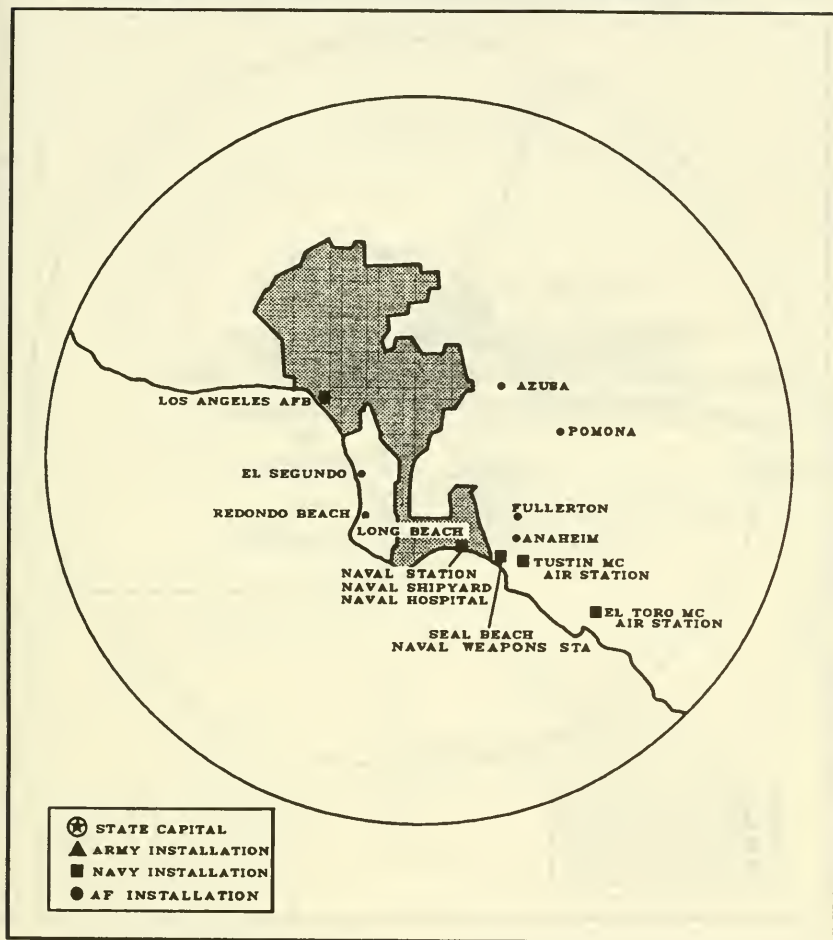


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## MAP NO. 5a

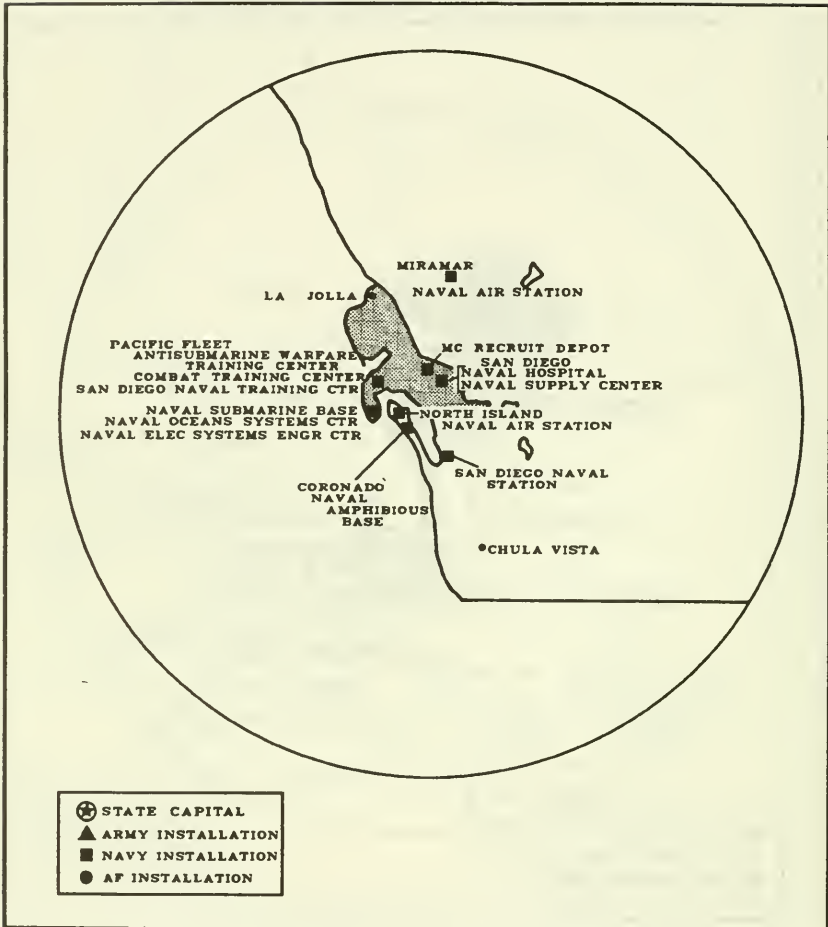
## LOS ANGELES AREA



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# MAP NO. 5b

## SAN DIEGO AREA



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## MAP NO. 5c

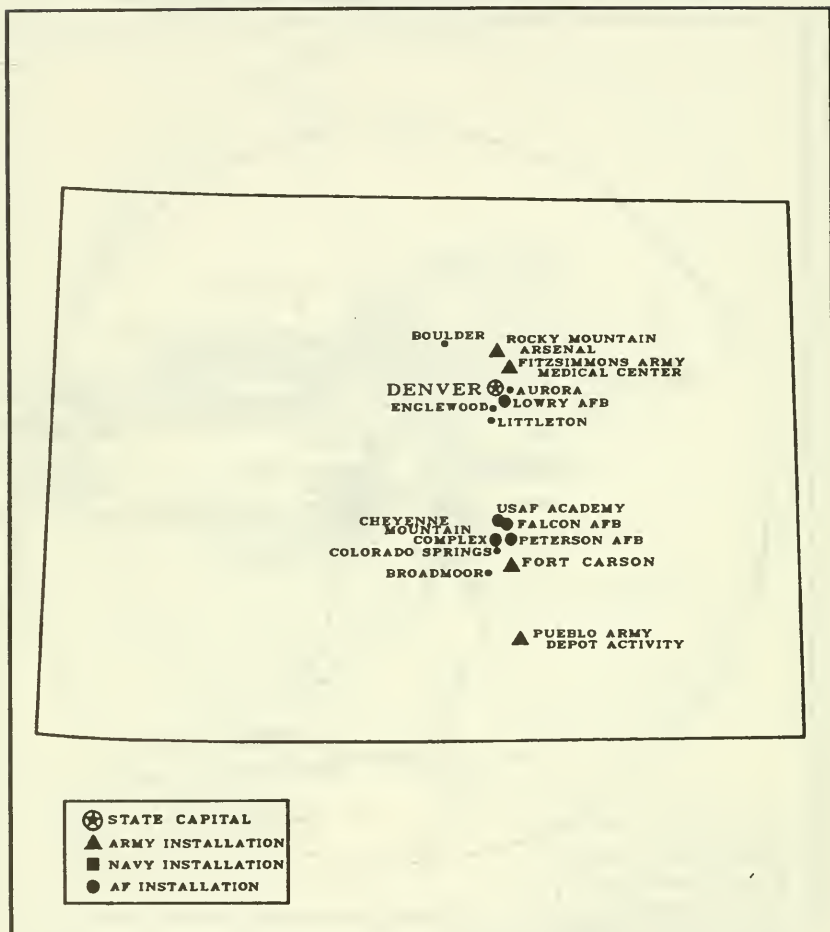
## SAN FRANCISCO AREA



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## MAP NO. 6

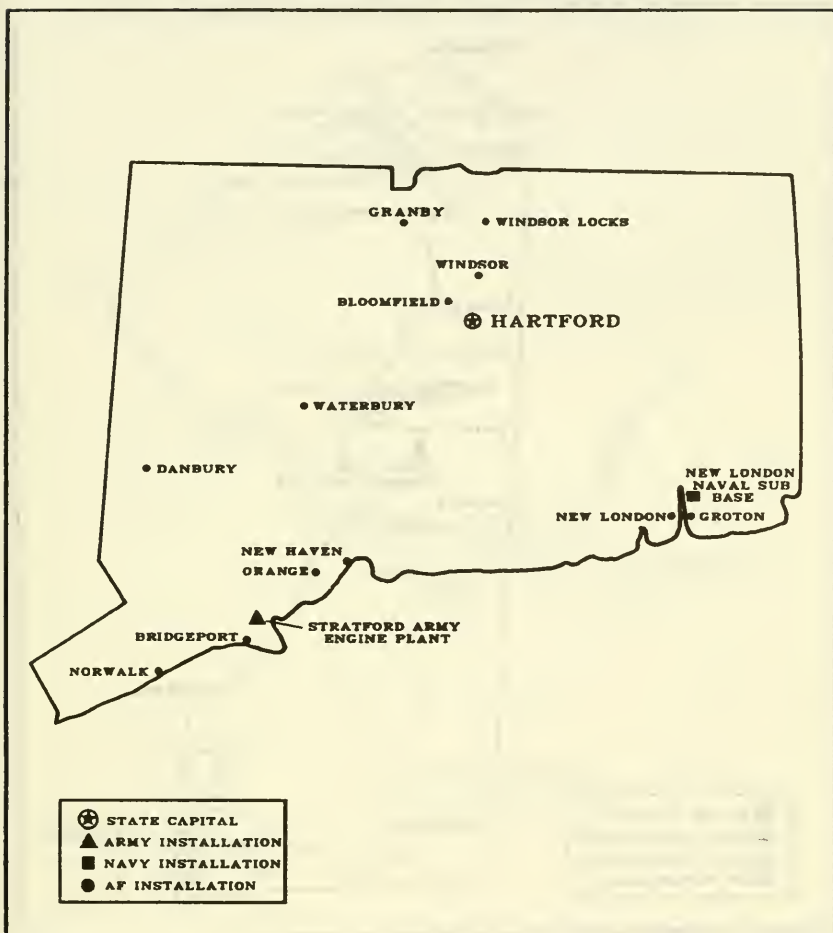
## COLORADO



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## MAP NO. 7

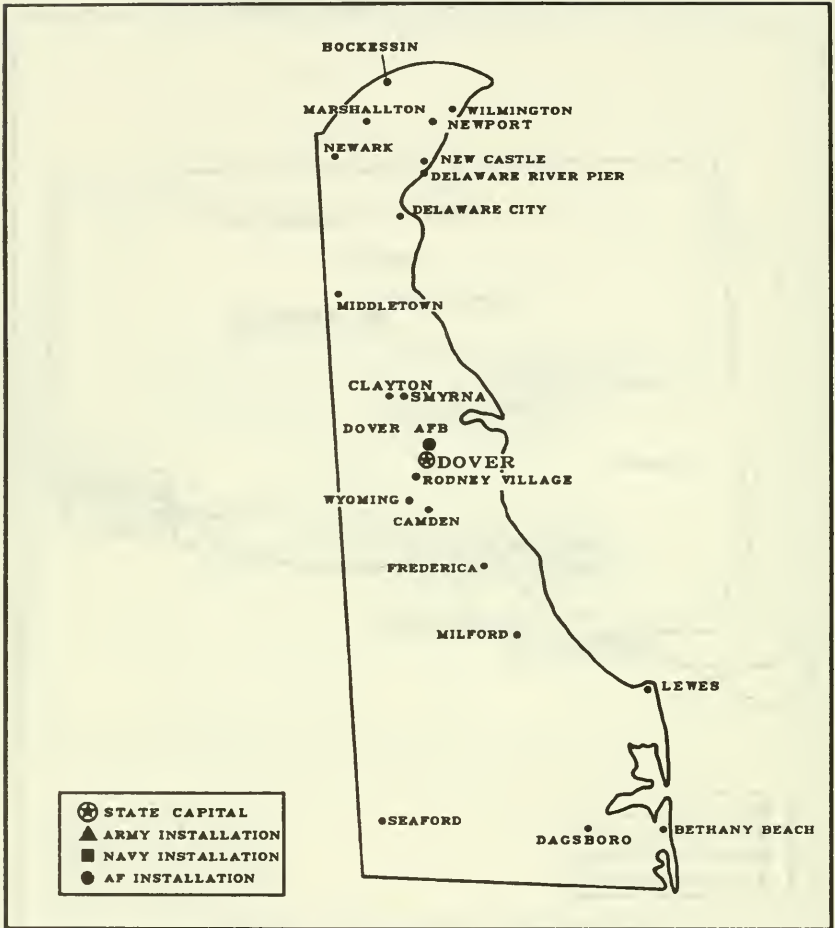
## CONNECTICUT



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## MAP NO. 8

## DELAWARE

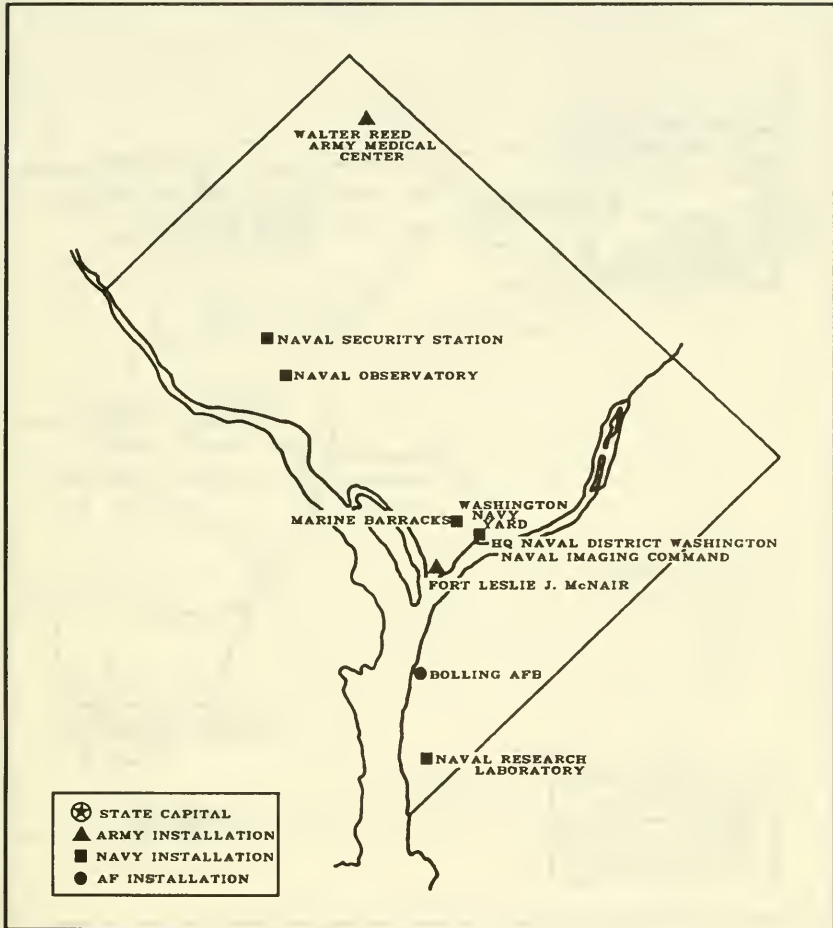


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# MAP NO. 9

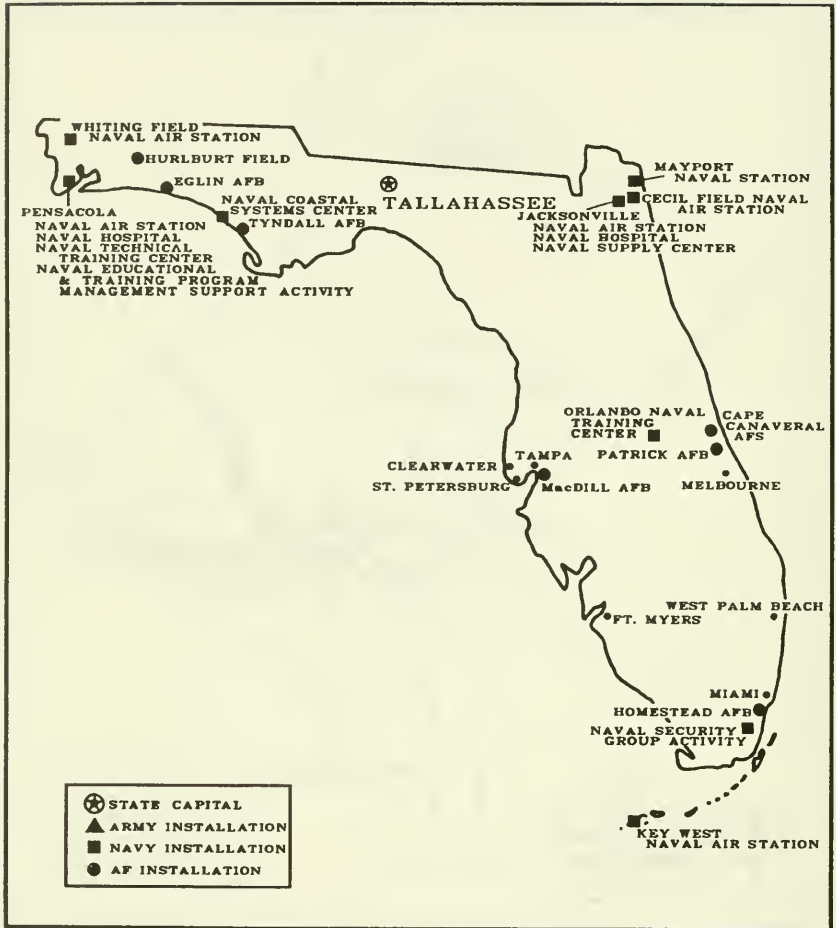
## DISTRICT OF COLUMBIA



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# MAP NO. 10

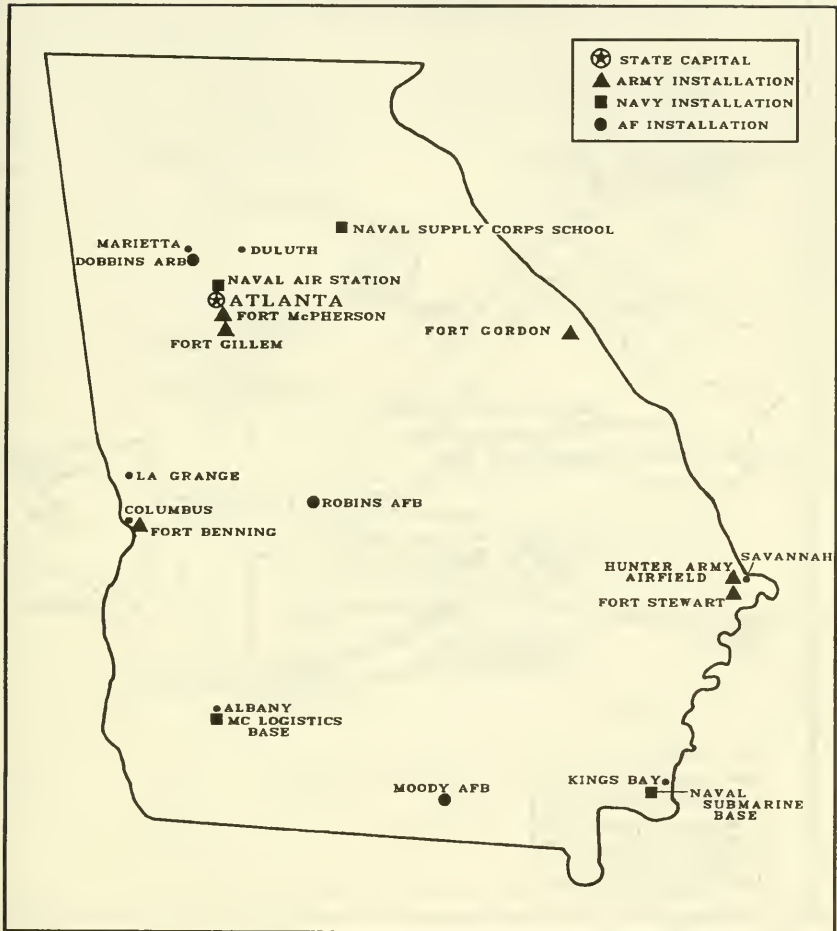
## FLORIDA



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## MAP NO. 11

## GEORGIA



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## MAP NO. 12

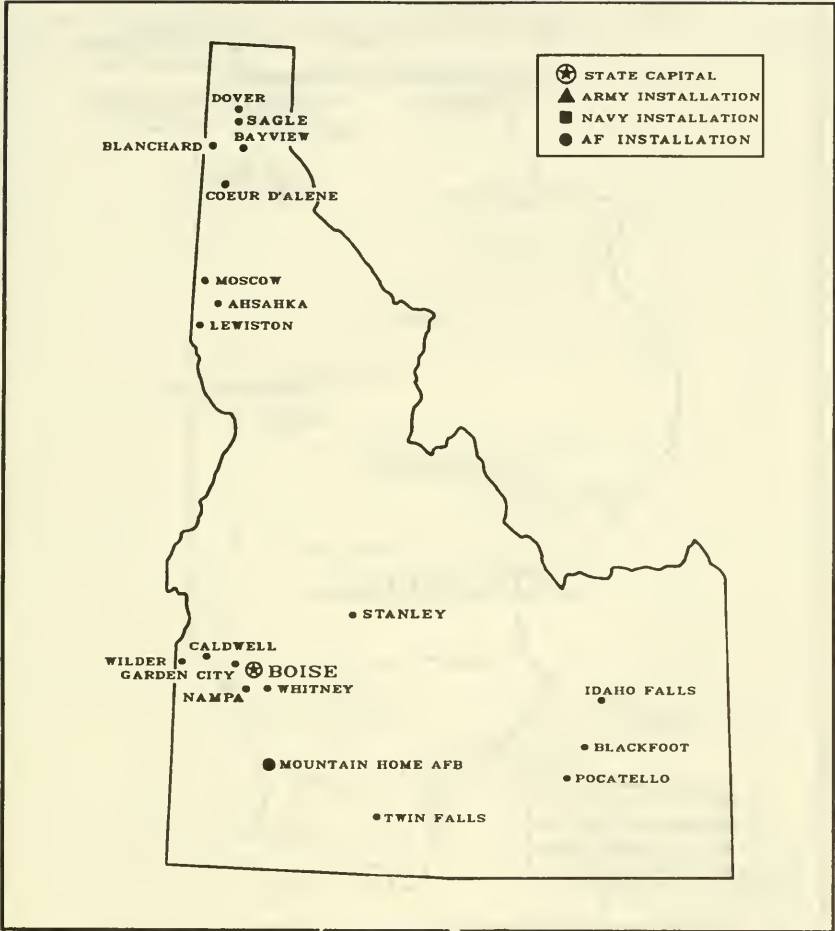
## HAWAII



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## MAP NO. 13

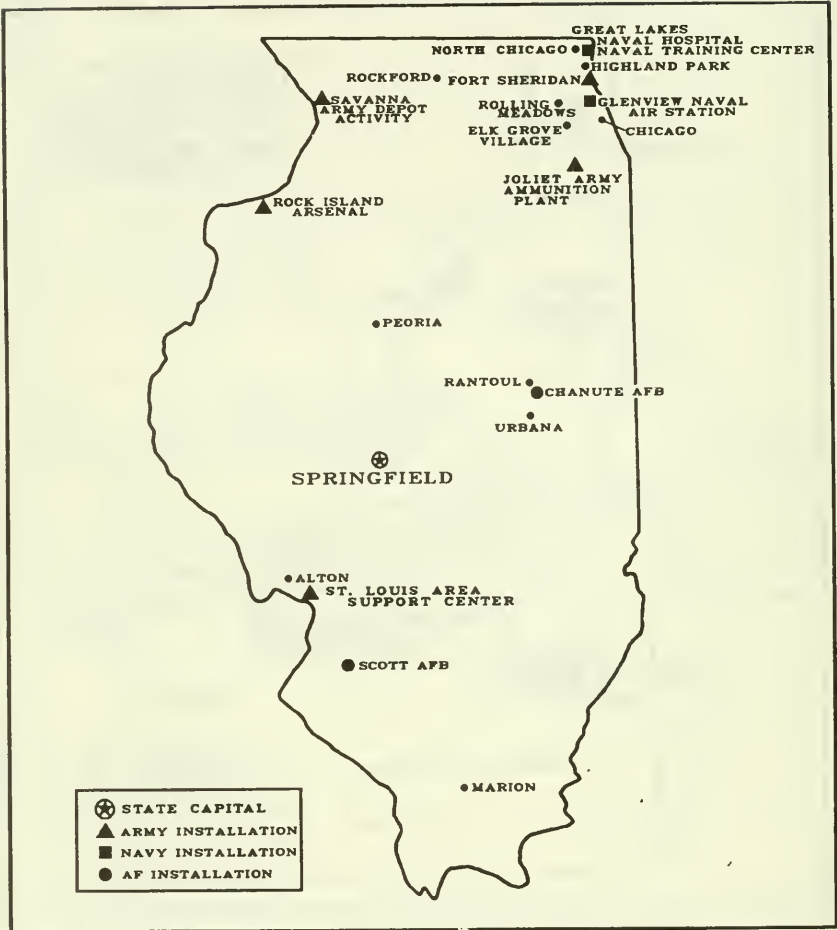
## IDAHO



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## MAP NO. 14

## ILLINOIS



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## MAP NO. 15

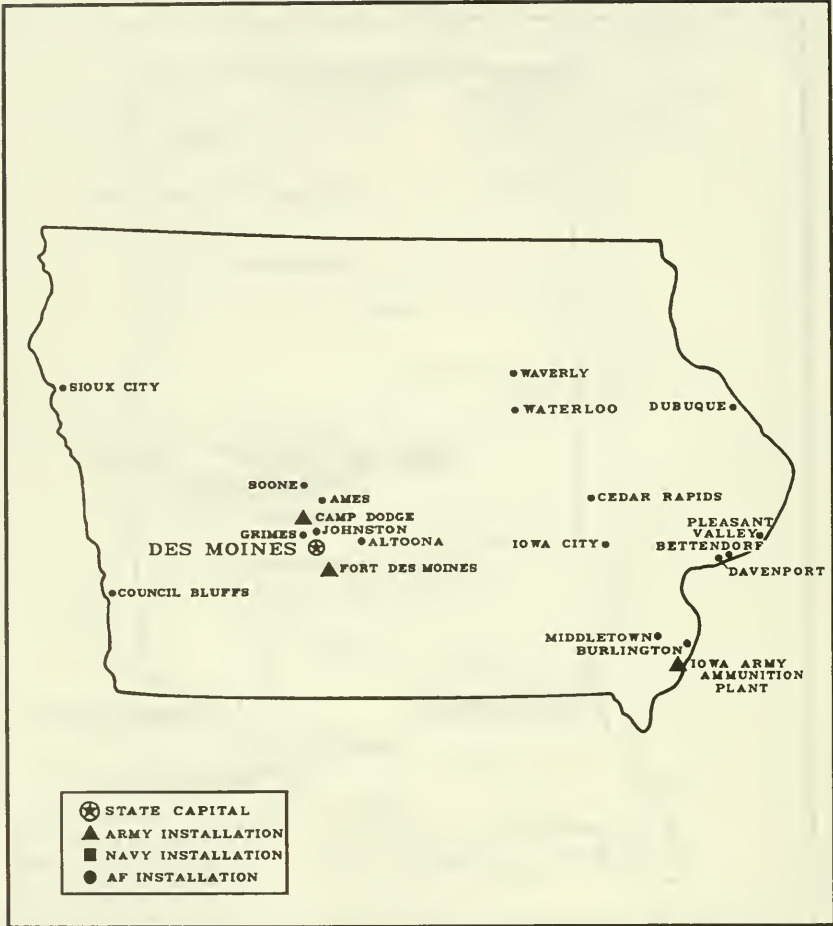
## INDIANA



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## MAP NO. 16

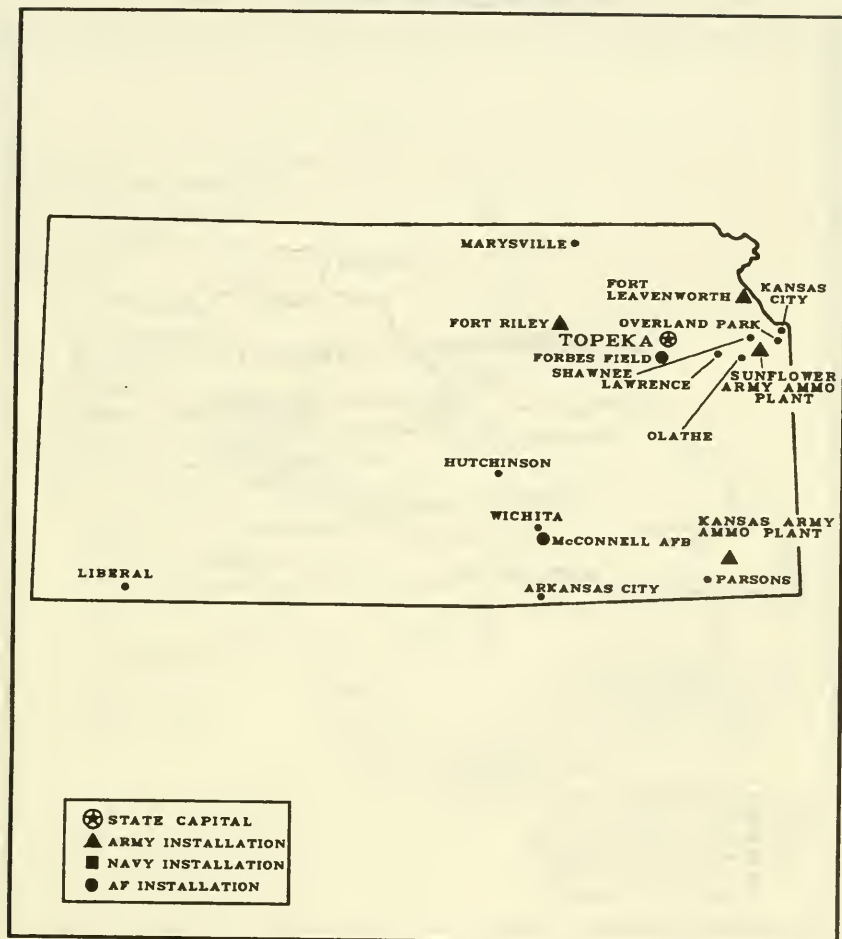
## IOWA



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## MAP NO. 17

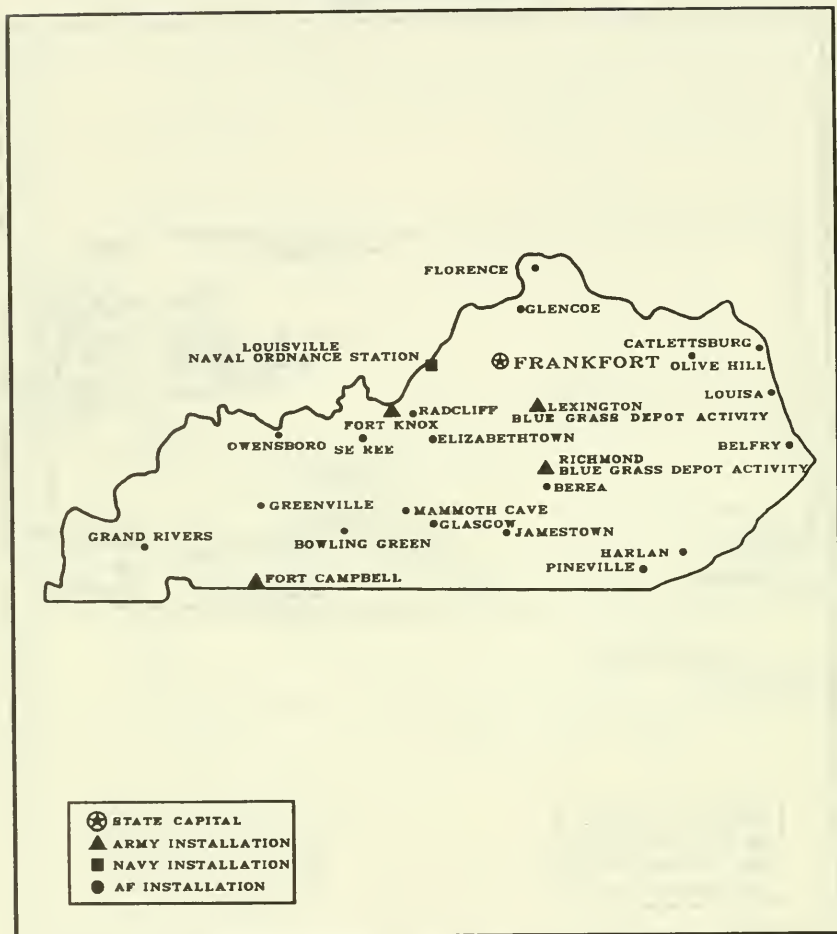
## KANSAS



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## MAP NO. 18

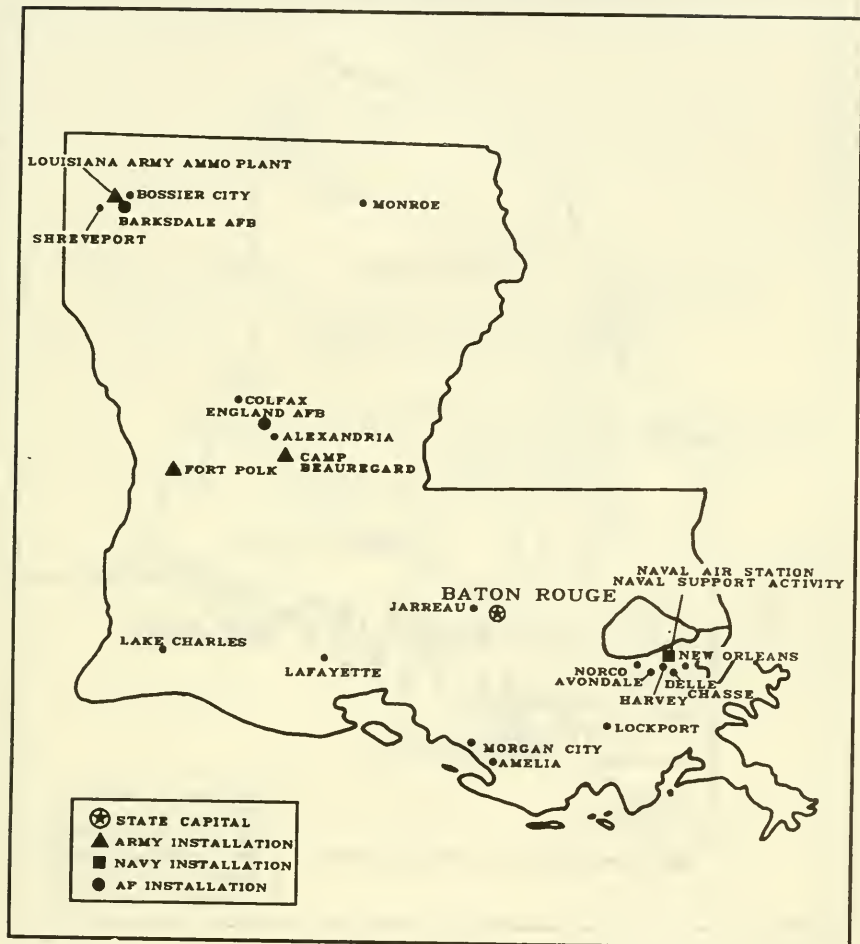
## KENTUCKY



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## MAP NO. 19

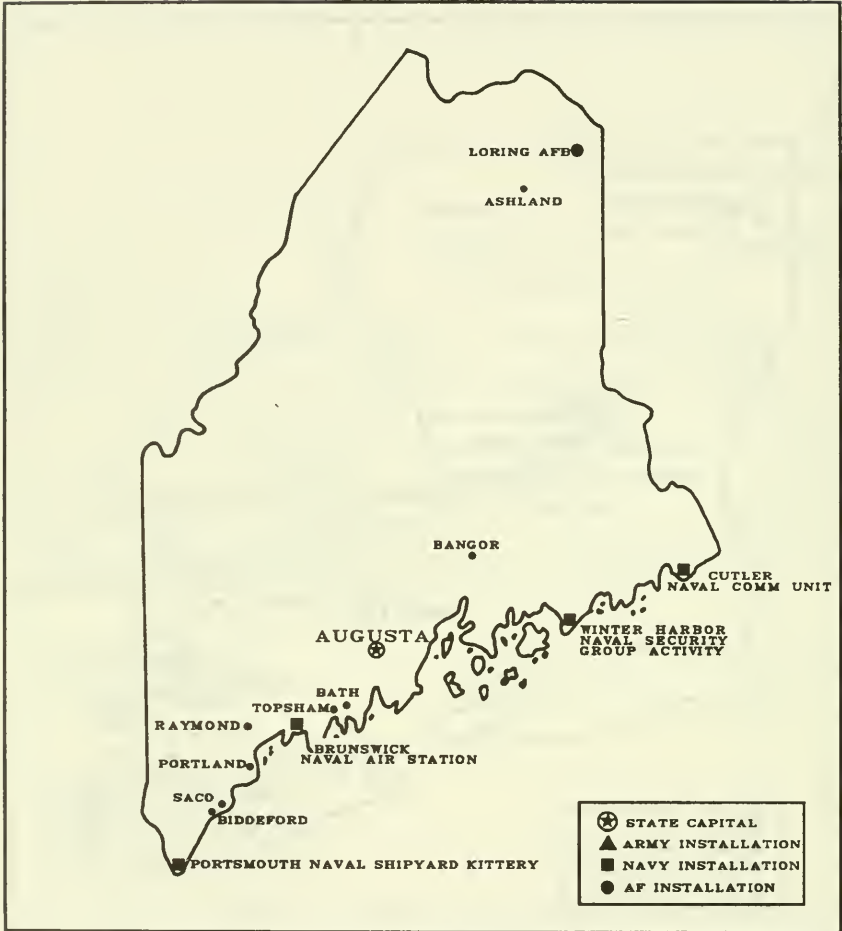
## LOUISIANA



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# MAP NO. 20

## MAINE

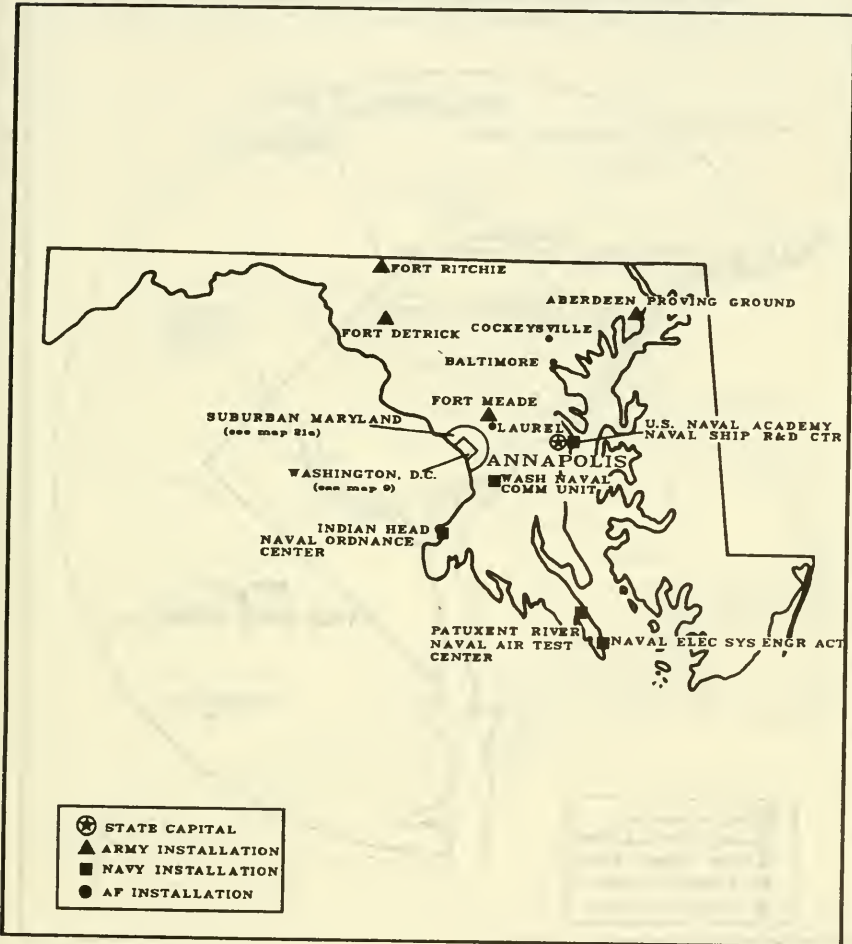


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## MAP NO. 21

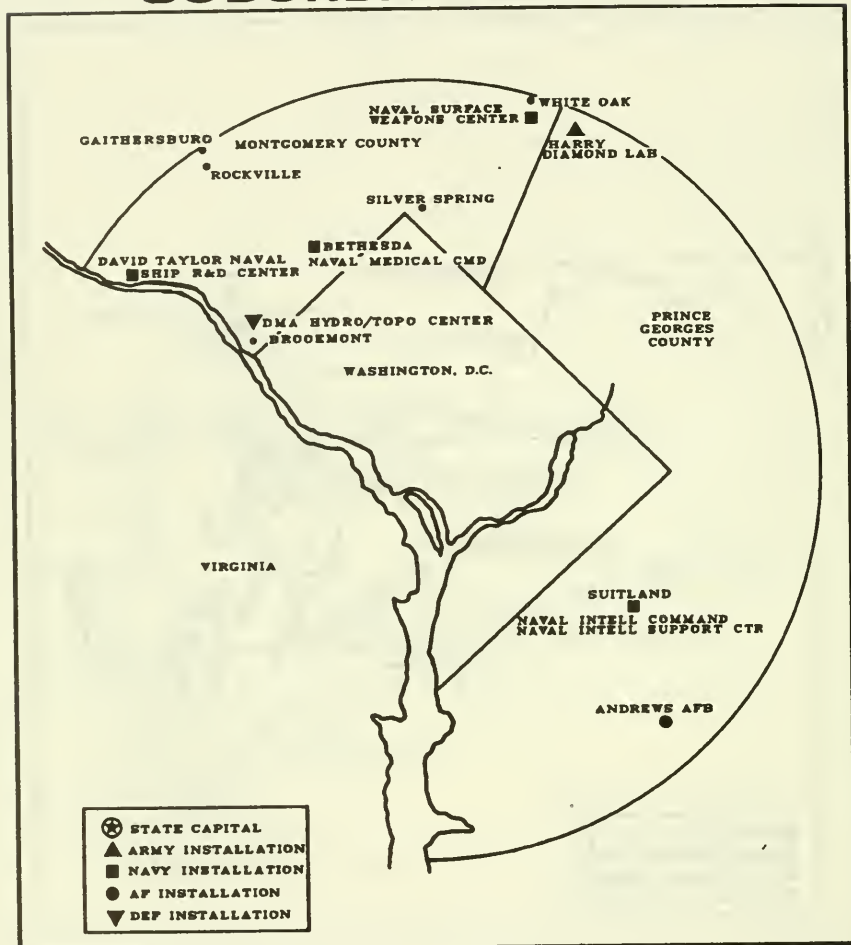
## MARYLAND



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## MAP NO. 21a

## SUBURBAN MARYLAND



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## MAP NO. 22

## MASSACHUSETTS



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## MAP NO. 23

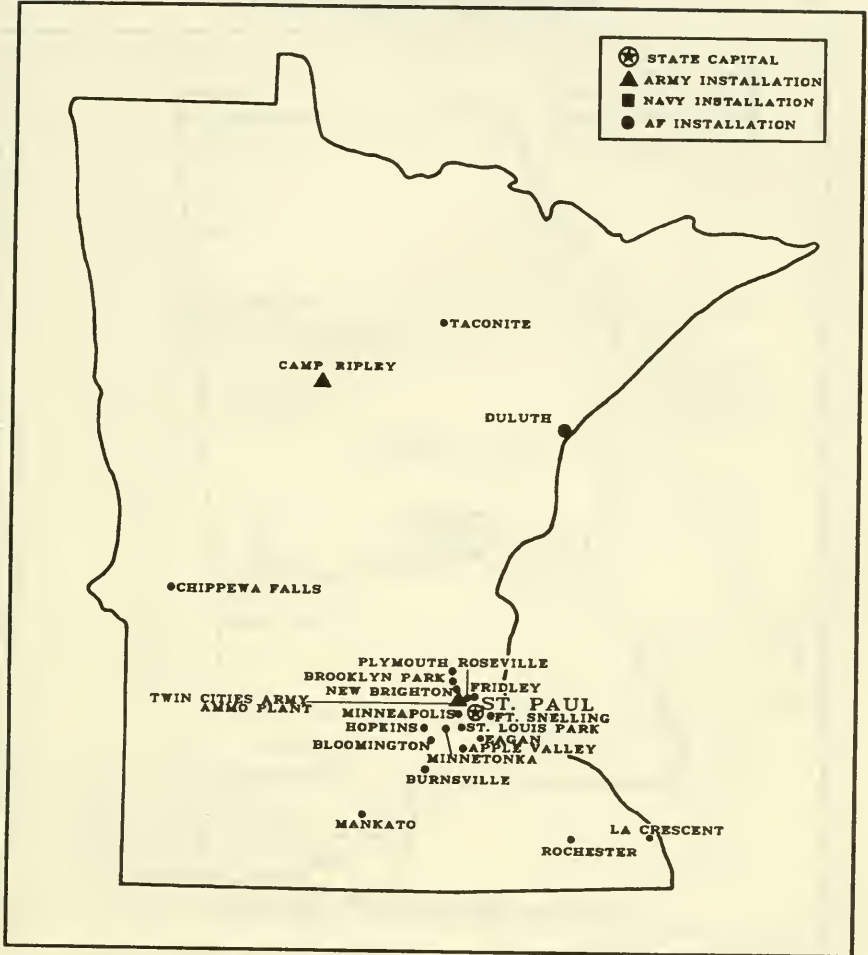
## MICHIGAN



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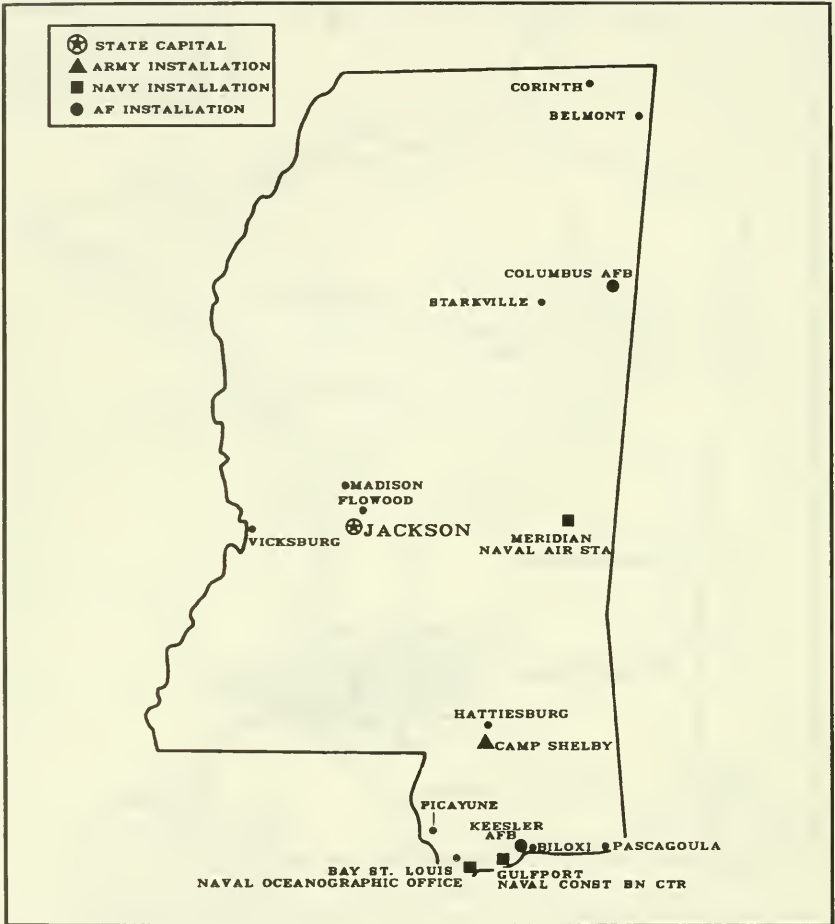
## MAP NO. 24

## MINNESOTA



## MAP NO. 25

## MISSISSIPPI

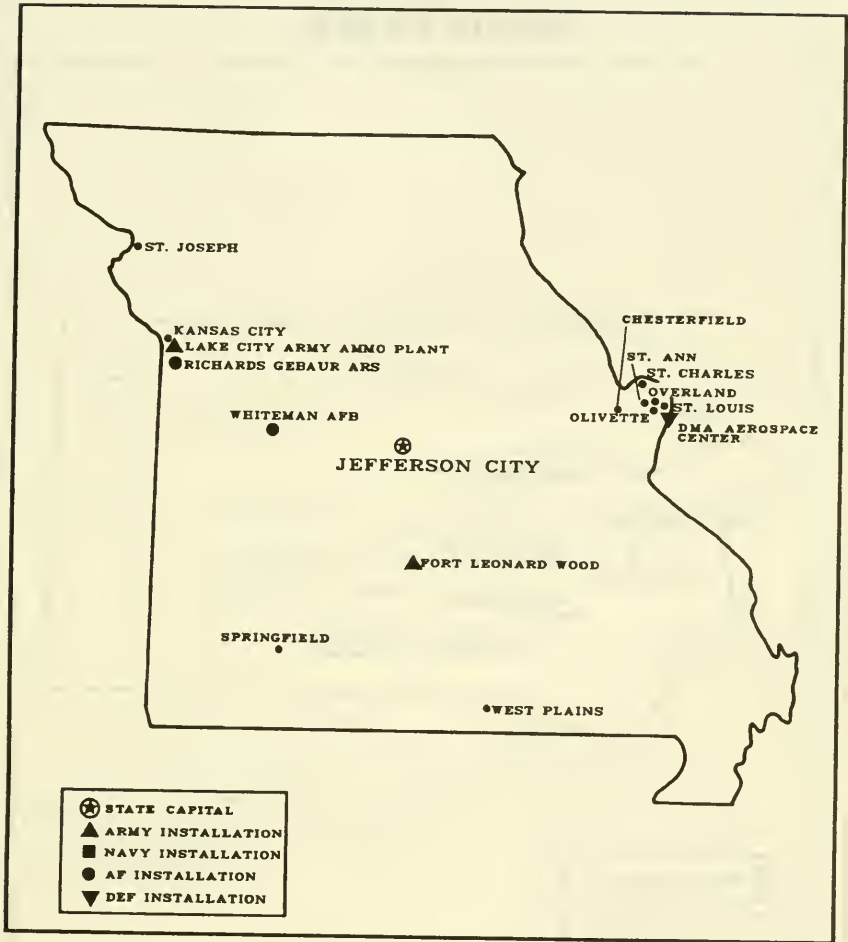


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## MISSOURI



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## MAP NO. 27

## MONTANA



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# MAP NO. 28

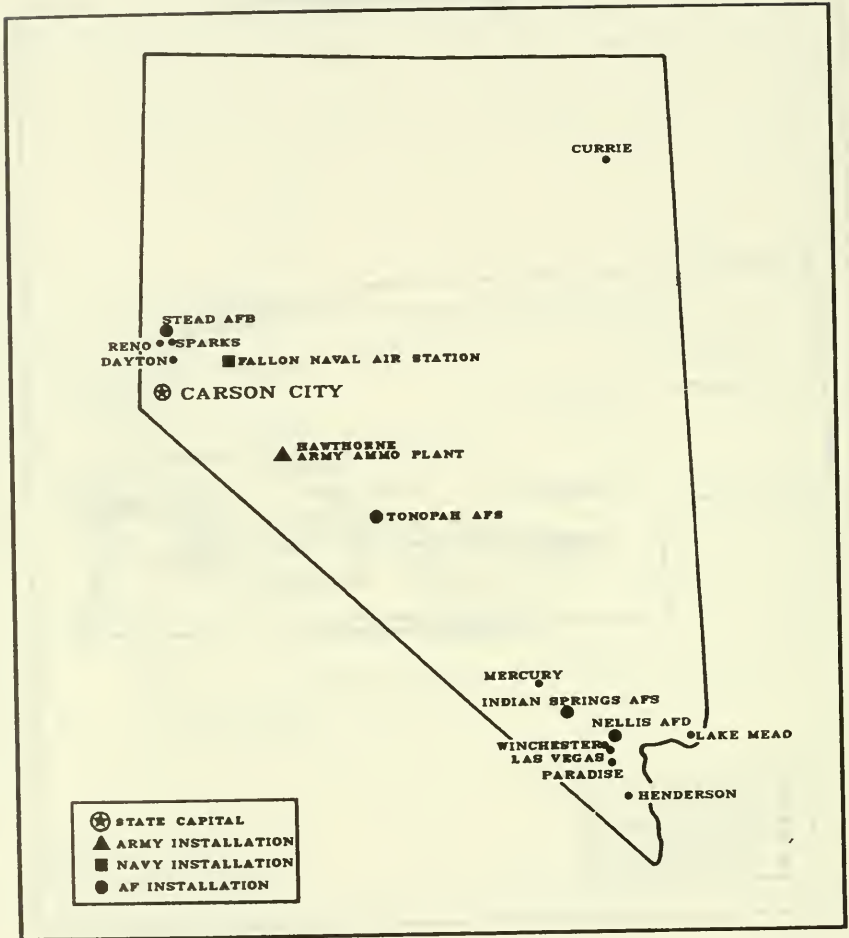
## NEBRASKA



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## MAP NO. 29

## NEVADA



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## MAP NO. 30

## NEW HAMPSHIRE



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## MAP NO. 31

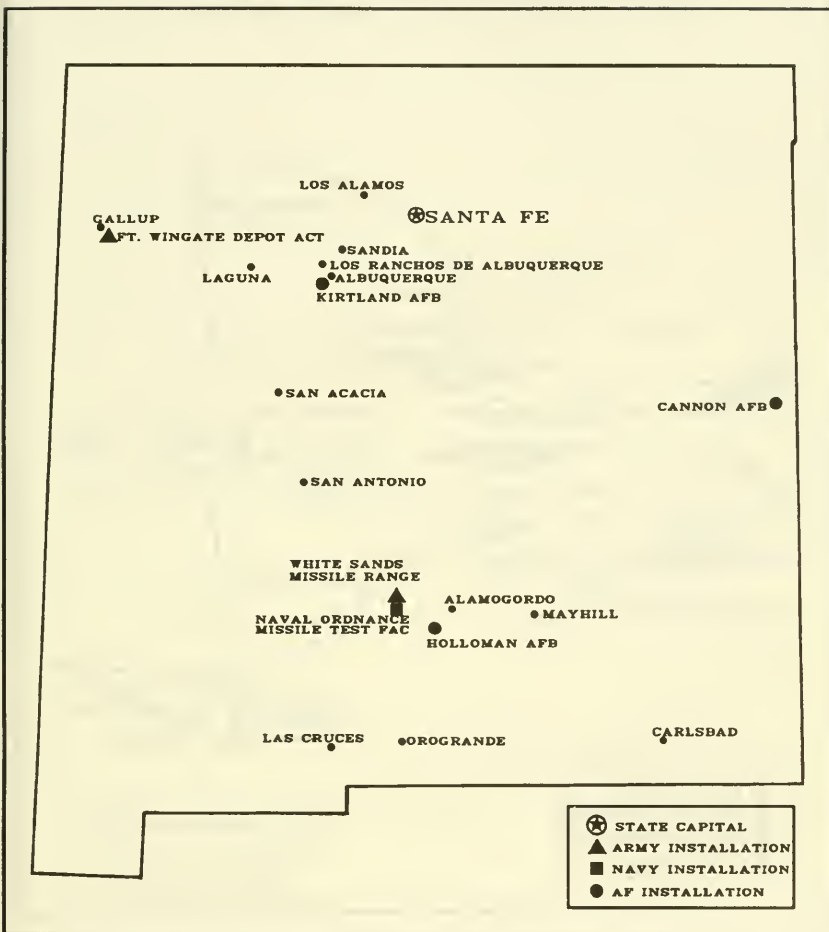
## NEW JERSEY



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## MAP NO. 32

## NEW MEXICO

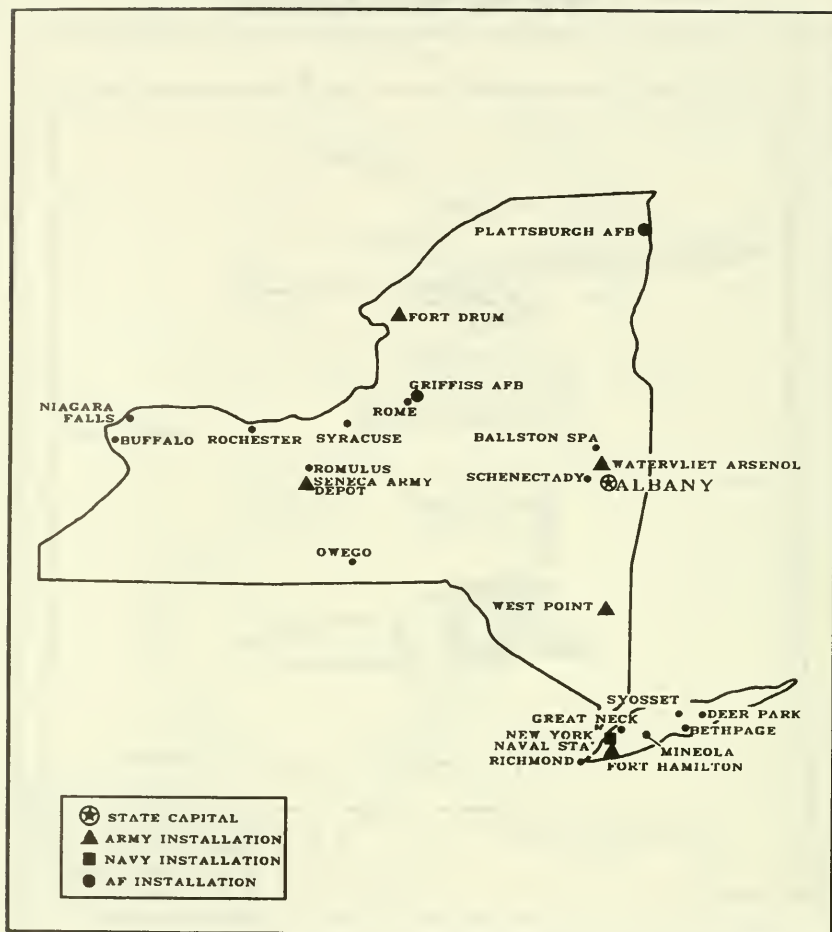


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## MAP NO. 33

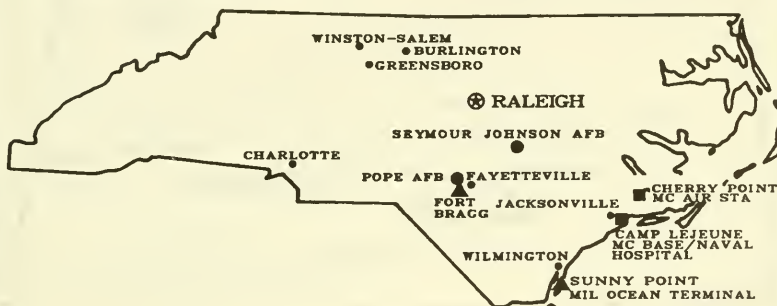
## NEW YORK



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## MAP NO. 34

## NORTH CAROLINA

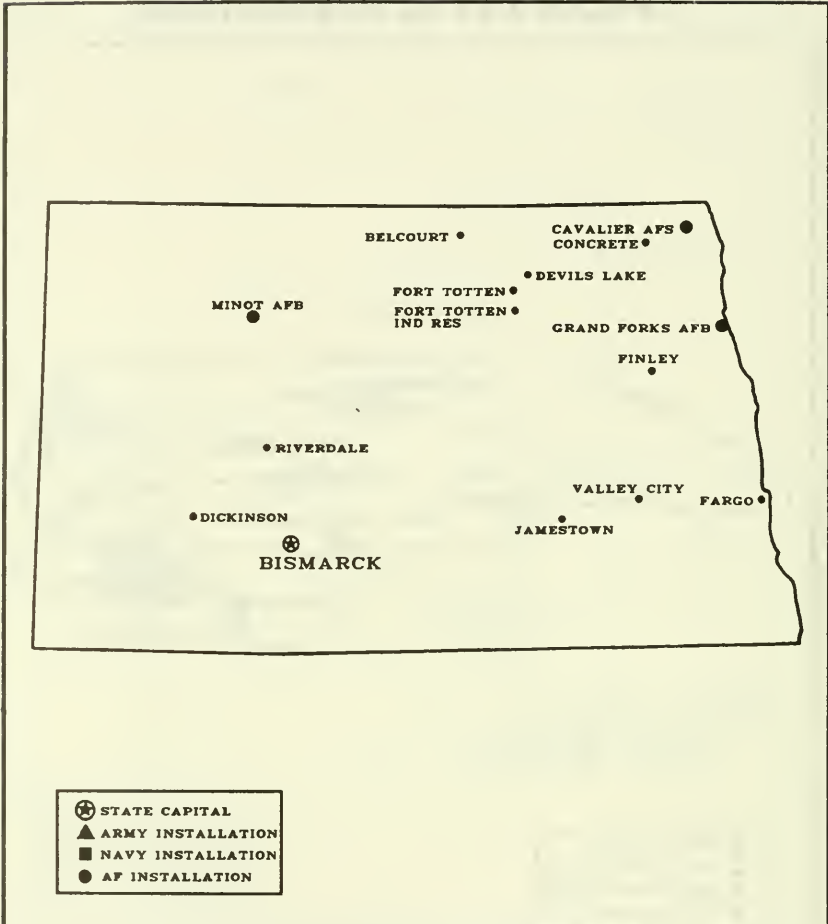


- ★ STATE CAPITAL
- ▲ ARMY INSTALLATION
- NAVY INSTALLATION
- AF INSTALLATION

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 Operations and Reports

## MAP NO. 35

## NORTH DAKOTA



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## MAP NO. 36

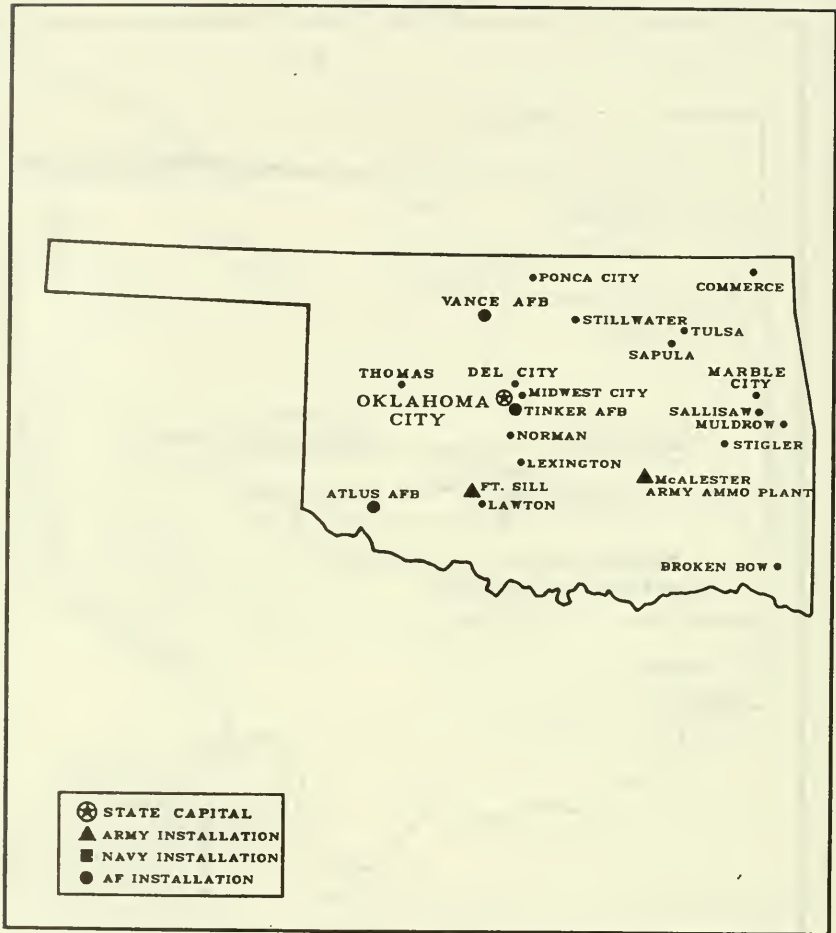
## OHIO



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## MAP NO. 37

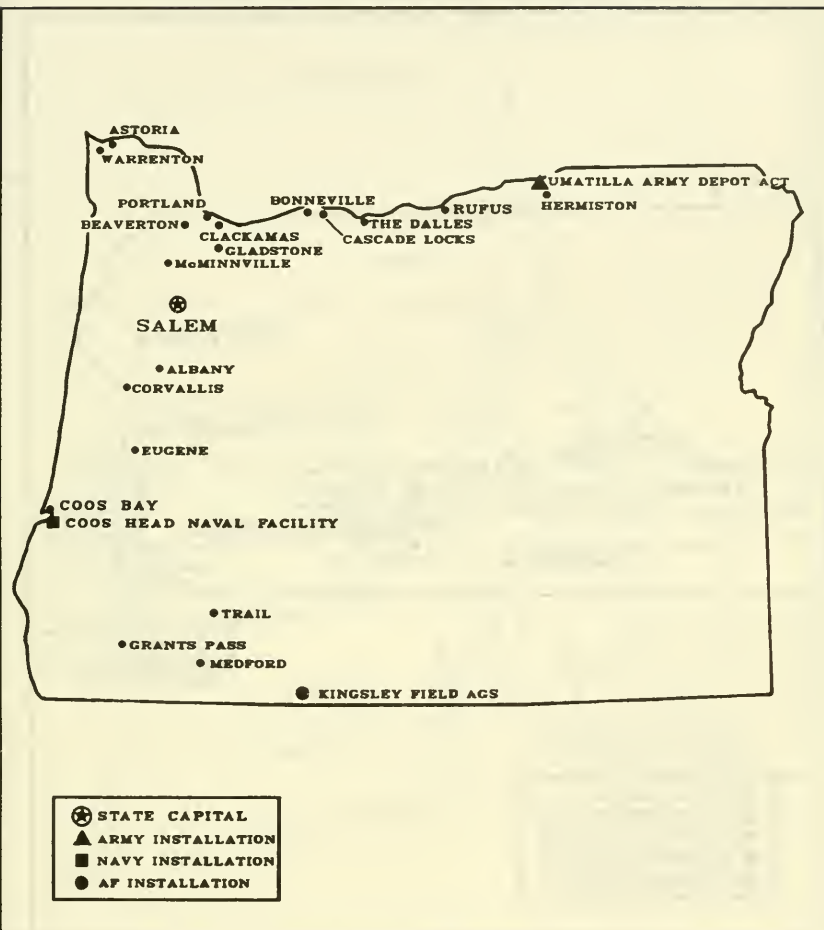
## OKLAHOMA



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## MAP NO. 38

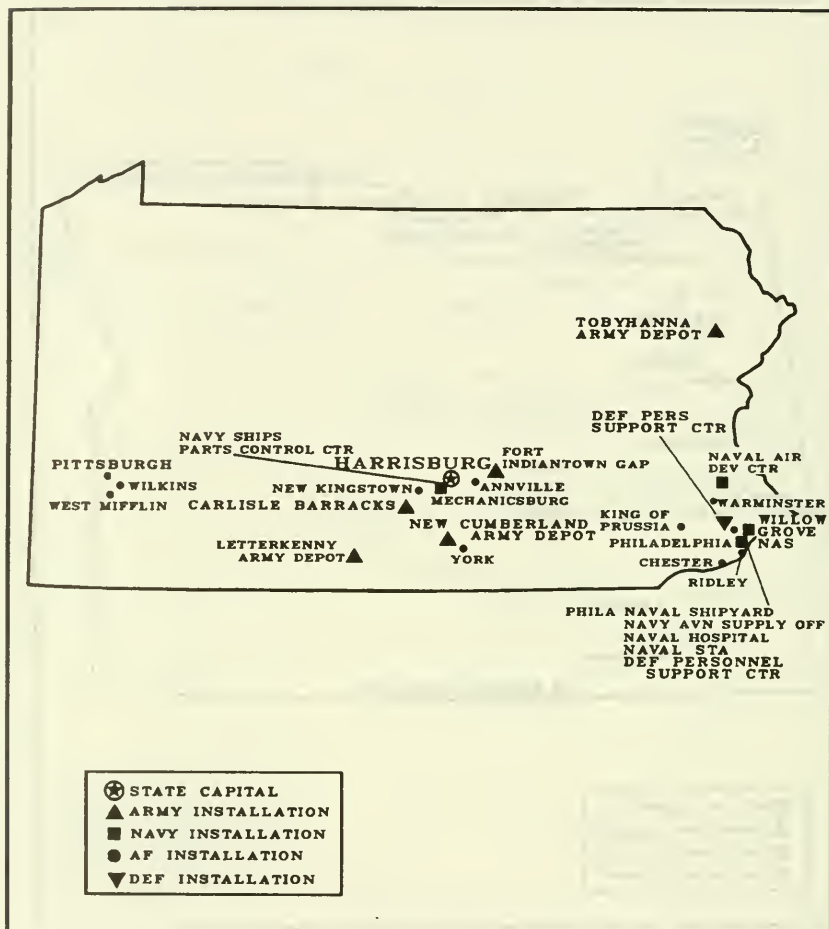
## OREGON



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## MAP NO. 39

## PENNSYLVANIA

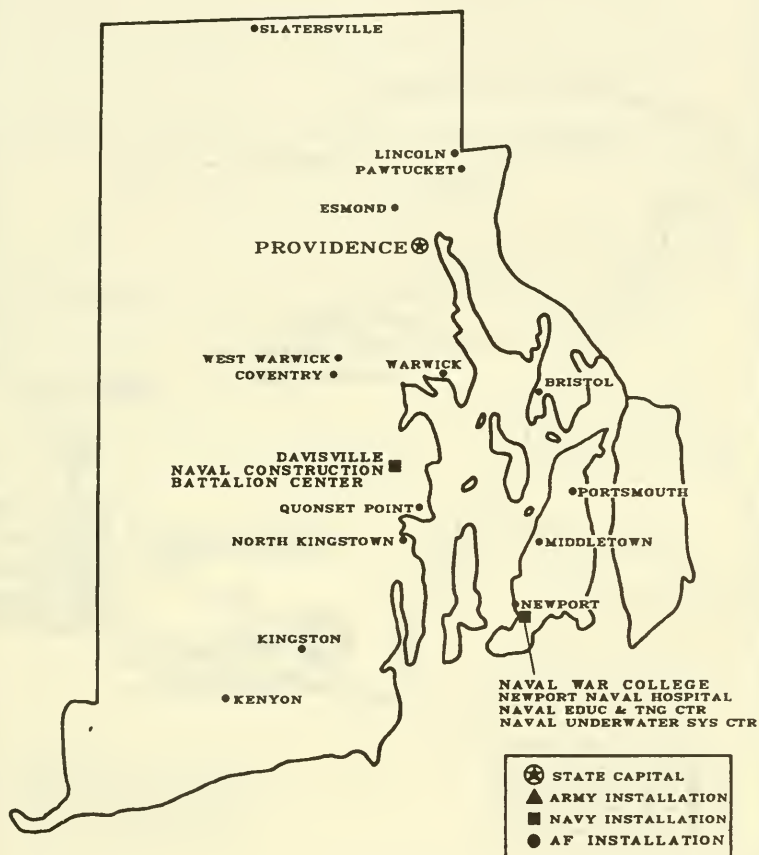


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## MAP NO. 40

## RHODE ISLAND



## MAP NO. 41

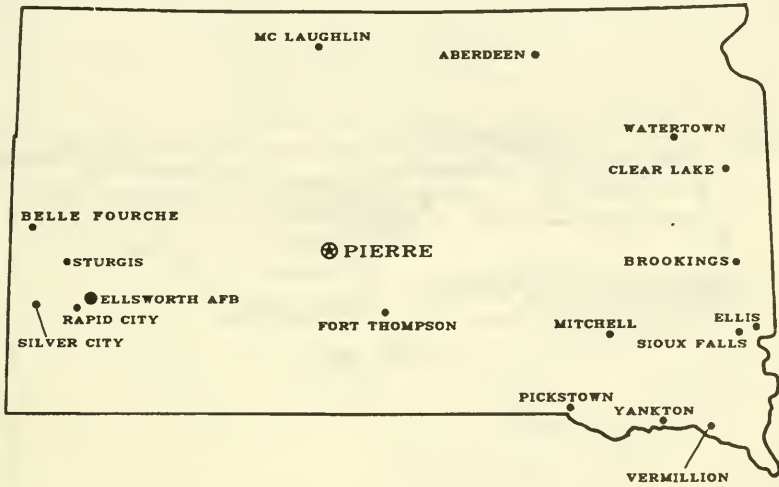
## SOUTH CAROLINA



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## MAP NO. 42

## SOUTH DAKOTA

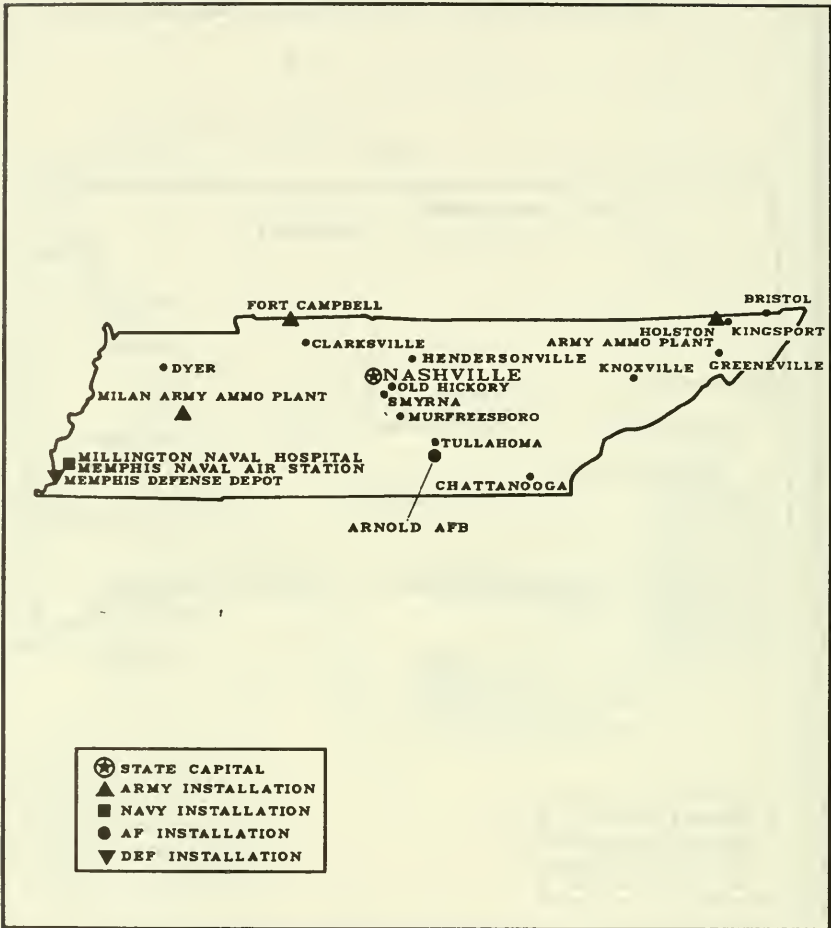


- ★ STATE CAPITAL
- ▲ ARMY INSTALLATION
- NAVY INSTALLATION
- AF INSTALLATION

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## MAP NO. 43

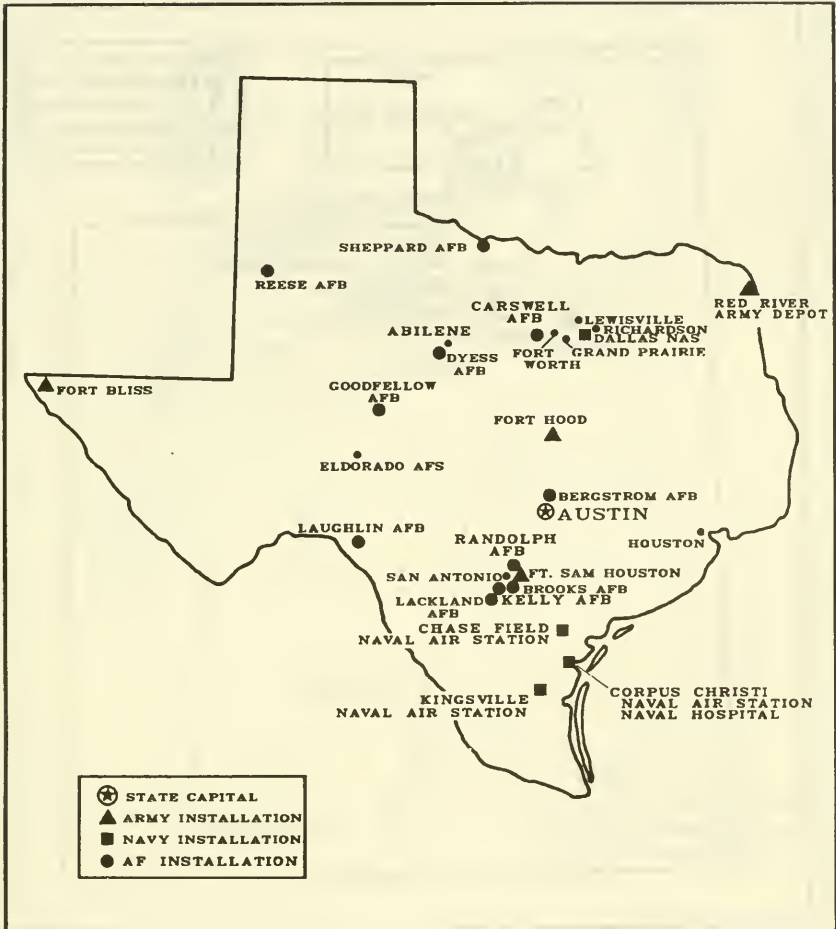
## TENNESSEE



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## MAP NO. 44

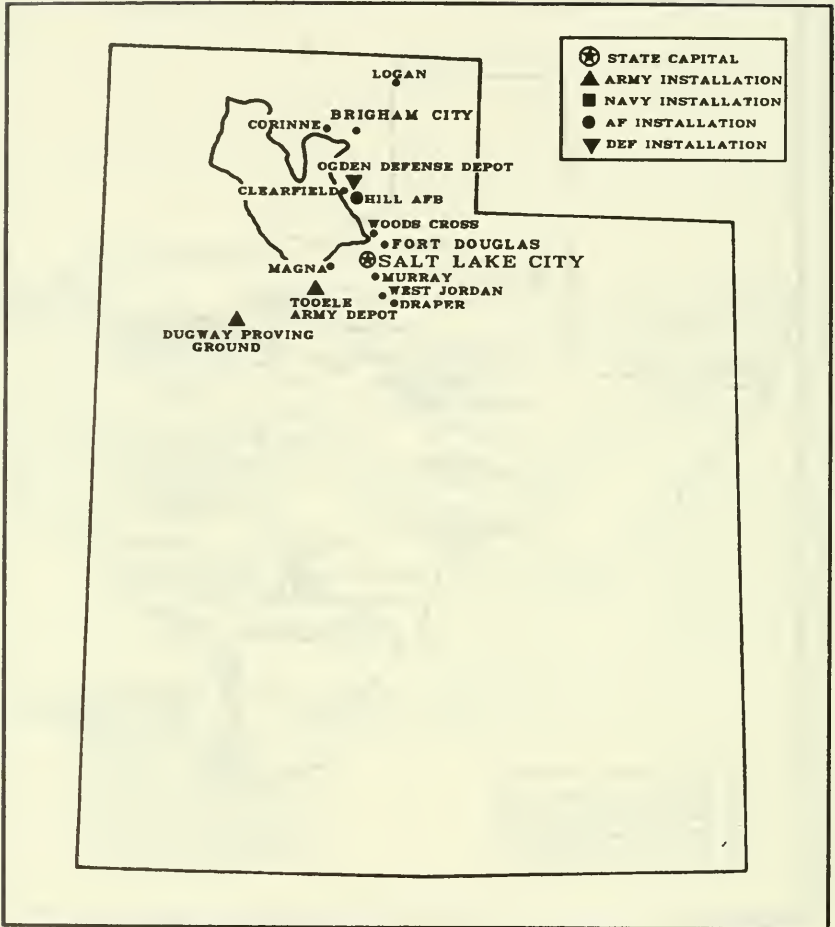
## TEXAS



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## MAP NO. 45

## UTAH



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# MAP NO. 46

## VERMONT

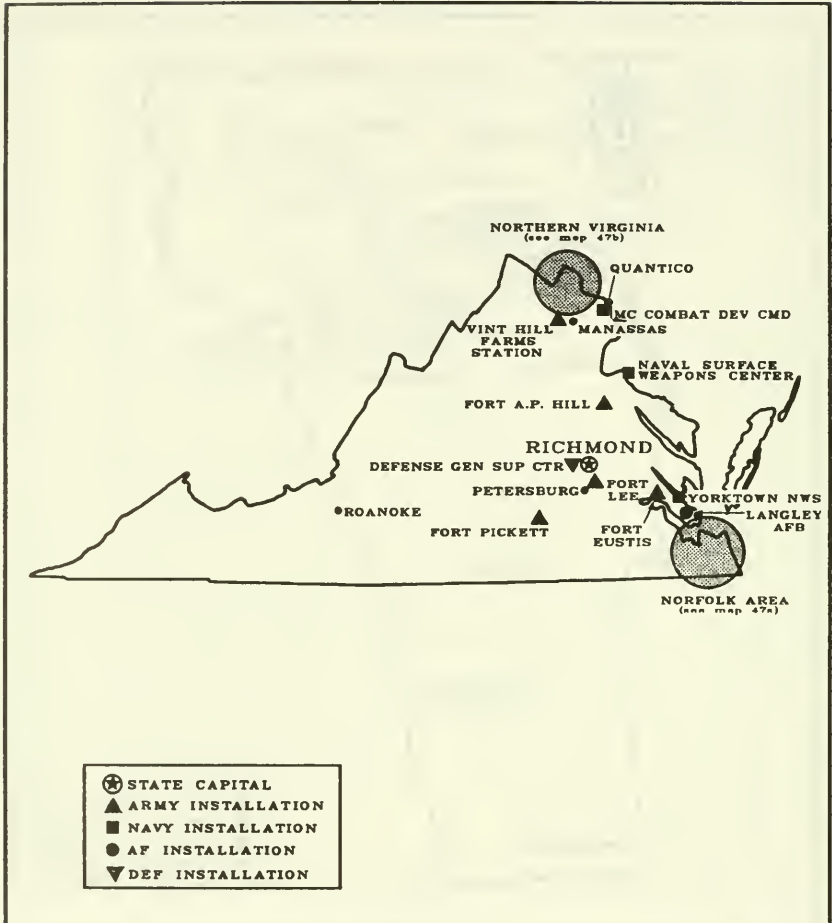


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## MAP NO. 47

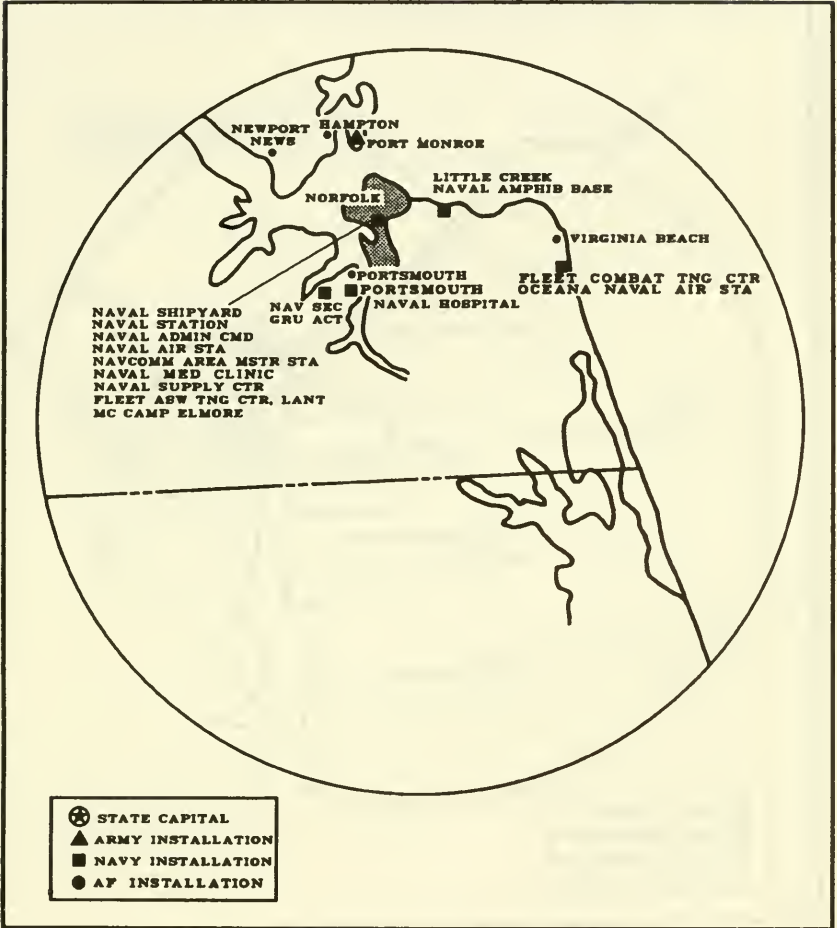
## VIRGINIA



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## MAP NO. 47a

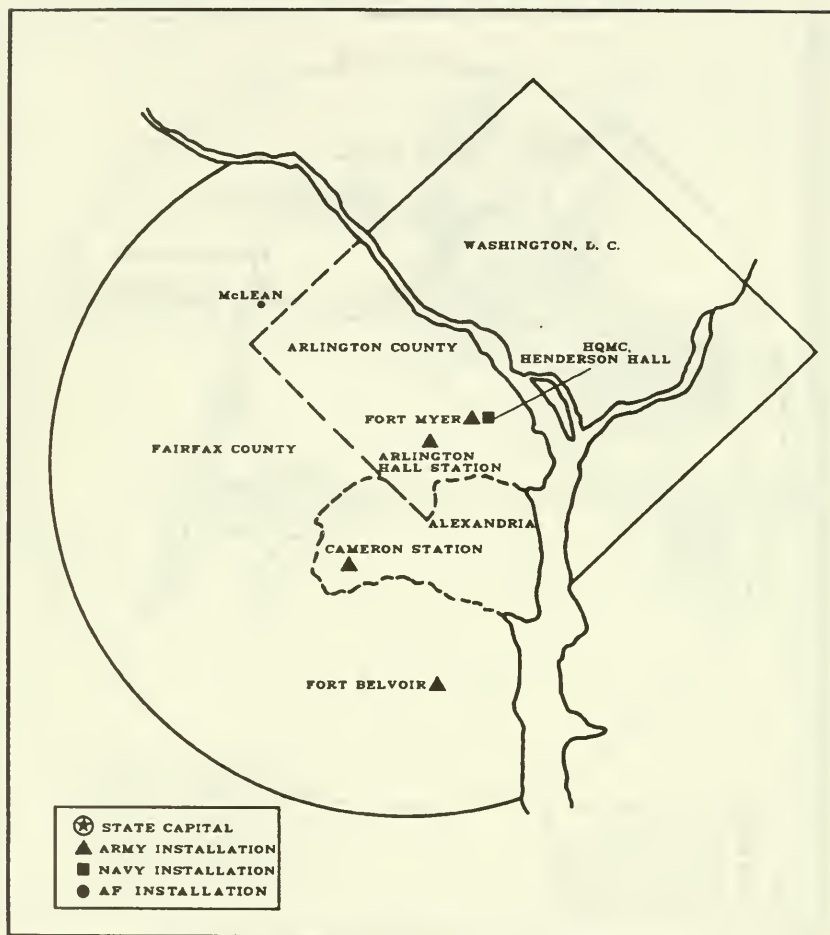
## NORFOLK AREA



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## MAP NO. 47b

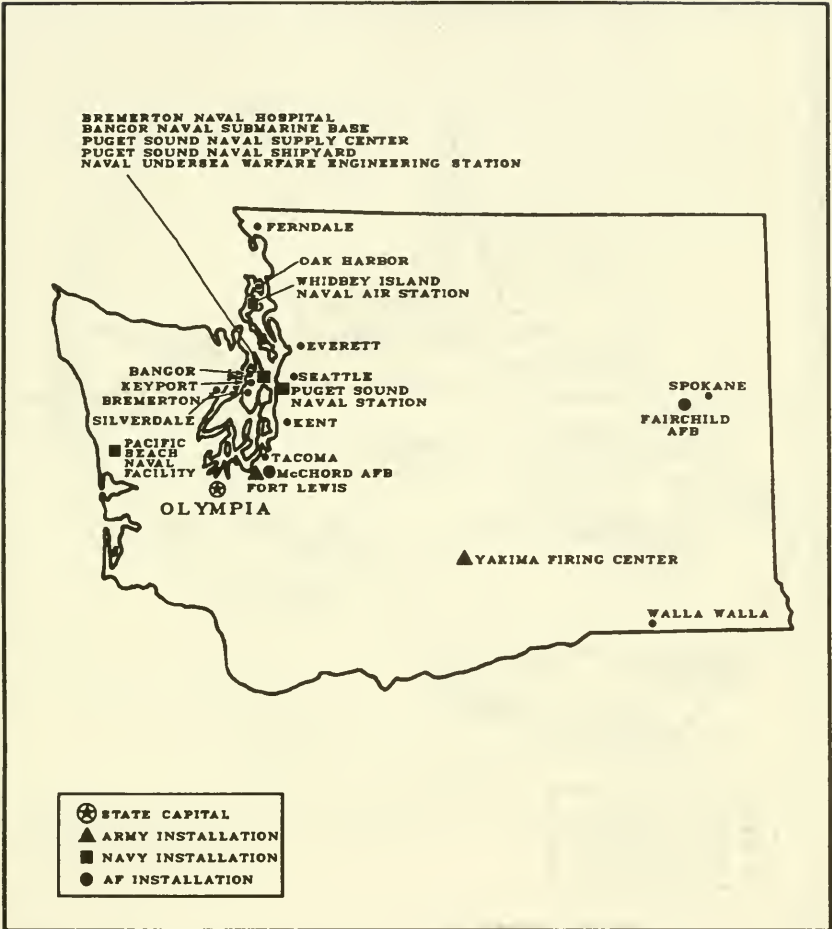
## NORTHERN VIRGINIA



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## MAP NO. 48

## WASHINGTON



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## MAP NO. 49

## WEST VIRGINIA



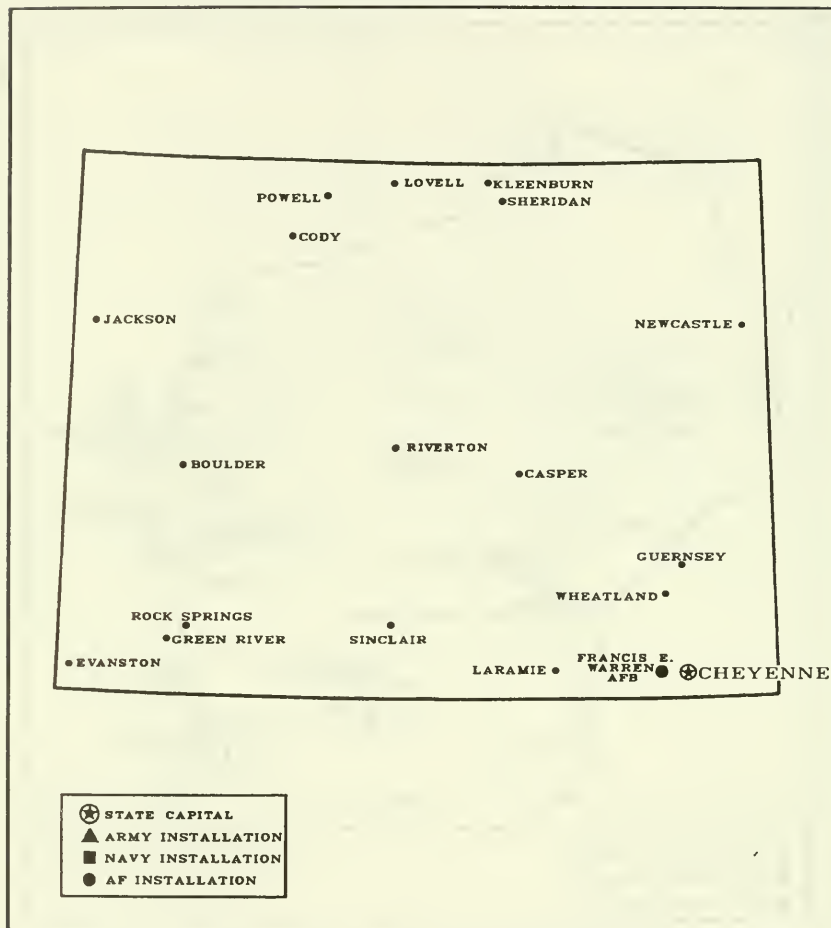
## MAP NO. 50

## WISCONSIN



## MAP NO. 51

## WYOMING



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 Operations and Reports



DEPARTMENT OF THE ARMY

FY 1994

Budget Estimates

Military Construction, Family Housing  
& Homeowners Assistance



Justification Data Submitted to Congress  
April 1993

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DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)  
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Alabama		Anniston Army Depot (AMC)			3
	41302	Ammunition Demilitarization Fac Ph IV	110,900	110,900	5
		Subtotal For Anniston Army Depot PART I	\$ 110,900	110,900	
		Fort Rucker (TRADOC)			9
	2095	Petroleum Lab and Fuel Storage	5,800	5,800	11
	10528	Operations Facility	1,150	1,150	14
	36037	Whole Barracks Renewal	20,000	20,000	17
		Subtotal For Fort Rucker PART I	\$ 26,950	26,950	
		* TOTAL MCA FOR Alabama	\$ 137,850	137,850	
Arizona		Fort Huachuca (TRADOC)			23
	1814	Battalion Headquarters	4,800	4,800	25
	38773	General Purpose Administrative Facility	4,050	4,050	28
		Subtotal For Fort Huachuca PART I	\$ 8,850	8,850	
		* TOTAL MCA FOR Arizona	\$ 8,850	8,850	
California		Fort Irwin (FORSCOM)			33
	31981	Whole Barracks Renewal	5,900	5,900	35
		Subtotal For Fort Irwin PART I	\$ 5,900	5,900	
		* TOTAL MCA FOR California	\$ 5,900	5,900	
Colorado		Fort Carson (FORSCOM)			41
	2220	Range Control Facility	4,050	4,050	43
		Subtotal For Fort Carson PART I	\$ 4,050	4,050	
		* TOTAL MCA FOR Colorado	\$ 4,050	4,050	

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)  
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Georgia		Port Benning (TRADOC)			49
	22546	Multipurpose Machine Gun Range	1,650	1,650	51
	35301	Whole Barracks Renewal	17,500	17,500	54
	35308	Barracks Modernization	18,500	18,500	57
		Subtotal For Port Benning PART I	\$ 37,650	37,650	
		Port Stewart (FORSCOM)			61
	39137	Cargo Handling Facility	4,500	4,500	63
	39141	Expand Ammunition Storage Area	3,600	3,600	66
	39143	Railroad Track Improvement	2,000	2,000	69
	39153	Hardstand	8,700	8,700	72
		Subtotal For Port Stewart PART I	\$ 18,800	18,800	
		* TOTAL MCA FOR Georgia	\$ 56,450	56,450	
Hawaii		Schofield Barracks (USARPAC)			77
	14840	Operations Facility	2,600	2,600	79
	34642	Multi-Purpose Family Service Center	16,000	16,000	82
		Subtotal For Schofield Barracks PART I	\$ 18,600	18,600	
		* TOTAL MCA FOR Hawaii	\$ 18,600	18,600	
Kentucky		Port Campbell (FORSCOM)			87
	820	Dining Facilities Modernization	3,500	3,500	89
	33345	Airfield Improvements	3,950	3,950	92
	39057	Mobilization Warehouse	850	850	95
	40217	Whole Barracks Renewal	32,000	32,000	98
		Subtotal For Port Campbell PART I	\$ 40,300	40,300	
		Port Knox (TRADOC)			101
	3091	Whole Barracks Renewal	25,000	25,000	103
	6895	Maintenance Facility	12,200	12,200	106
	22332	Multipurpose Training Range	4,150	4,150	109

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)  
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Kentucky		Fort Knox (TRADOC) (CONT.)			101
		Subtotal For Fort Knox PART I	\$ 41,350	41,350	
		* TOTAL MCA FOR Kentucky	\$ 81,650	81,650	
Maryland		Aberdeen Proving Ground (AMC)			115
	6792	Applied Instruction Facility	14,000	14,000	117
	17544	Target Assembly and Storage Facility	1,800	1,800	120
	29622	Upgrade Range Complex	4,450	4,450	124
		Subtotal For Aberdeen Proving Ground PART I	\$ 20,250	20,250	
		* TOTAL MCA FOR Maryland	\$ 20,250	20,250	
Missouri		Fort Leonard Wood (TRADOC)			129
	13576	Operations Facility	1,000	1,000	131
		Subtotal For Fort Leonard Wood PART I	\$ 1,000	1,000	
		* TOTAL MCA FOR Missouri	\$ 1,000	1,000	
Nevada		Hawthorne Army Ammunition Plant (AMC)			137
	40708	Container Holding Pads	7,000	7,000	139
		Subtotal For Hawthorne Army Ammunition Plant PART I	\$ 7,000	7,000	
		* TOTAL MCA FOR Nevada	\$ 7,000	7,000	
New Jersey		Fort Monmouth (AMC)			145
	2836	Satellite Control System Addition	7,500	7,500	147
		Subtotal For Fort Monmouth PART I	\$ 7,500	7,500	
		* TOTAL MCA FOR New Jersey	\$ 7,500	7,500	

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)  
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
New Mexico		White Sands Missile Range (AMC)			153
	41204	Target Track	2,900	2,900	155
		Subtotal For White Sands Missile Range PART I	\$ 2,900	2,900	
		* TOTAL MCA FOR New Mexico	\$ 2,900	2,900	
New York		United States Military Academy (XXX)			161
	34548	Whole Barracks Renewal	13,800	13,800	163
		Subtotal For United States Military Academy PART I	\$ 13,800	13,800	
		* TOTAL MCA FOR New York	\$ 13,800	13,800	
North Carolina		Fort Bragg (FORSCOM)			169
	1731	Tactical Equipment Shop	23,000	23,000	171
	4641	Tactical Equipment Shop	7,100	7,100	175
	35358	Whole Brigade Barracks Complex	71,600	71,600	178
	40444	Sewage Treatment Plant Upgrade	540	540	182
		Subtotal For Fort Bragg PART I	\$ 102,240	102,240	
		* TOTAL MCA FOR North Carolina	\$ 102,240	102,240	
Oklahoma		Fort Sill (TRADOC)			187
	35242	Whole Barracks Renewal	15,700	15,700	189
		Subtotal For Fort Sill PART I	\$ 15,700	15,700	
		* TOTAL MCA FOR Oklahoma	\$ 15,700	15,700	
Pennsylvania		Toxbyhanna Army Depot (AMC)			195
	32876	Water Pollution Abatement (DBOP)	750	750	197
		Subtotal For Toxbyhanna Army Depot PART I	\$ 750	750	
		* TOTAL MCA FOR Pennsylvania	\$ 750	750	

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)  
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
South Carolina		Fort Jackson (TRADOC)			203
	3240	Operations Facility	1,100	1,100	205
	6936	Range Upgrade	1,600	1,600	208
		Subtotal For Fort Jackson PART I	\$ 2,700	2,700	
		* TOTAL MCA FOR South Carolina	\$ 2,700	2,700	
Texas		Fort Bliss (TRADOC)			213
	2255	Consolidated Maintenance Facility	14,000	14,000	215
		Subtotal For Fort Bliss PART I	\$ 14,000	14,000	
		Fort Hood (FORSCOM)			219
	22738	Whole Barracks Renewal	18,000	18,000	221
	22976	Cold/Dry Storage Facility	13,400	13,400	224
	31241	Tactical Equipment Shop	5,300	5,300	228
	33947	Test and Evaluation Support Facility	5,200	5,200	231
	37014	Close Combat Tactical Trainer Facility	7,500	7,500	234
		Subtotal For Fort Hood PART I	\$ 49,400	49,400	
		Fort Sam Houston (FORSCOM)			239
	5118	Multi-Purpose Family Service Center	4,351	4,351	241
		Subtotal For Fort Sam Houston PART I	\$ 4,351	4,351	
		* TOTAL MCA FOR Texas	\$ 67,751	67,751	
Utah		Dugway Proving Ground (AMC)			247
	16299	Life Sciences Test Facility	16,500	16,500	249
		Subtotal For Dugway Proving Ground PART I	\$ 16,500	16,500	
		Tooele Army Depot (AMC)			253
	40537	Treaty Verification Facility	1,500	1,500	255
		Subtotal For Tooele Army Depot PART I	\$ 1,500	1,500	
		* TOTAL MCA FOR Utah	\$ 18,000	18,000	



DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)  
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Virginia		Fort Belvoir (MDW)			261
	9161	Operations Facility	860	860	263
		Subtotal For Fort Belvoir PART I	\$ 860	860	
		Fort Lee (TRADOC)			267
	2571	Whole Barracks Renewal	20,000	20,000	269
	2580	Applied Instruction Facility	12,600	12,600	272
		Subtotal For Fort Lee PART I	\$ 32,600	32,600	
		Fort Myer (MDW)			275
	31965	Whole Barracks Renewal	6,800	6,800	277
		Subtotal For Fort Myer PART I	\$ 6,800	6,800	
		* TOTAL MCA FOR Virginia	\$ 40,260	40,260	
Washington		Fort Lewis (FORSCOM)			283
	39078	Incinerator Building Completion	14,200	14,200	285
		Subtotal For Fort Lewis PART I	\$ 14,200	14,200	
		* TOTAL MCA FOR Washington	\$ 14,200	14,200	
US Various		Classified US Location (USVAR)			291
	42169	Classified Project	3,000	3,000	293
		Subtotal For Classified US Location PART I	\$ 3,000	3,000	
		* TOTAL MCA FOR US Various	\$ 3,000	3,000	
		** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 630,401	630,401	

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)  
OUTSIDE THE UNITED STATES

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Kwajalein		Kwajalein Atoll (USASDC)			297
		Kwajalein Atoll			
	35900	Sewage Treatment Facility	11,200	11,200	299
	36324	Unaccompanied Personnel Housing	10,000	10,000	302
		Subtotal For Kwajalein Atoll PART I	\$ 21,200	21,200	
		* TOTAL MCA FOR Kwajalein	\$ 21,200	21,200	
Overseas Various		Classified Location (FORVAR)			307
		Classified Location			
	27533	Communications Maintenance Facility	3,600	3,600	309
		Subtotal For Classified Location PART I	\$ 3,600	3,600	
		* TOTAL MCA FOR Overseas Various	\$ 3,600	3,600	
		** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 24,800	24,800	

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)  
WORLDWIDE

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	PAGE
Worldwide Various Minor Construction (MINEXG)					315
	28464	Unspecified Minor Construction	12,000	12,000	317
		Subtotal For Minor Construction PART I	\$ 12,000	12,000	
		Planning and Design (PLANDES)			319
	37156	Planning and Design	84,441	84,441	321
	37214	Host Nation Support	25,000	25,000	323
		Subtotal For Planning and Design PART I	\$ 109,441	109,441	
		* TOTAL MCA FOR Worldwide Various	\$ 121,441	121,441	
** TOTAL WORLDWIDE FOR MCA			\$ 121,441	121,441	
MILITARY CONSTRUCTION (PART I) TOTAL			\$ 776,642	776,642	

## FY 94 MCA Construction Projects

State -----	Location -----	Project -----	Cost (\$000) -----	New/ Current -----
Inside The United States				
Alabama	Anniston Army Depot	Ammunition Demilitarization Fac Ph IV	110,900	N
Alabama	Fort Rucker	Petroleum Lab and Fuel Storage	5,800	C
Alabama	Fort Rucker	Operations Facility	1,150	C
Alabama	Fort Rucker	Whole Barracks Renewal	20,000	C
Arizona	Fort Huachuca	Battalion Headquarters	4,800	C
Arizona	Fort Huachuca	General Purpose Administrative Facility	4,050	C
California	Fort Irwin	Whole Barracks Renewal	5,900	C
Colorado	Fort Carson	Range Control Facility	4,050	C
Georgia	Fort Benning	Multipurpose Machine Gun Range	1,650	C
Georgia	Fort Benning	Whole Barracks Renewal	17,500	C
Georgia	Fort Benning	Barracks Modernization	18,500	C
Georgia	Fort Stewart	Cargo Handling Facility	4,500	C
Georgia	Fort Stewart	Expand Ammunition Storage Area	3,600	C
Georgia	Fort Stewart	Railroad Track Improvement	2,000	C
Georgia	Fort Stewart	Hardstand	8,700	C
Hawaii	Schofield Barracks	Operations Facility	2,600	C
Hawaii	Schofield Barracks	Multi-Purpose Family Service Center	16,000	C
Kentucky	Fort Campbell	Dining Facilities Modernization	3,500	C
Kentucky	Fort Campbell	Airfield Improvements	3,950	C
Kentucky	Fort Campbell	Mobilization Warehouse	850	C
Kentucky	Fort Campbell	Whole Barracks Renewal	32,000	C
Kentucky	Fort Knox	Whole Barracks Renewal	25,000	C
Kentucky	Fort Knox	Maintenance Facility	12,200	C
Kentucky	Fort Knox	Multipurpose Training Range	4,150	C
Maryland	Aberdeen Proving Ground	Applied Instruction Facility	14,000	C
Maryland	Aberdeen Proving Ground	Target Assembly and Storage Facility	1,800	C
Maryland	Aberdeen Proving Ground	Upgrade Range Complex	4,450	C
Missouri	Fort Leonard Wood	Operations Facility	1,000	C
Nevada	Hawthorne AAP	Container Holding Pads	7,000	C
New Jersey	Fort Monmouth	Satellite Control System Addition	7,500	C
New Mexico	White Sands Missile Range	Target Track	2,900	C
New York	U S Military Academy	Whole Barracks Renewal	13,800	C
North Carolina	Fort Bragg	Tactical Equipment Shop	23,000	C
North Carolina	Fort Bragg	Tactical Equipment Shop	7,100	C
North Carolina	Fort Bragg	Whole Brigade Barracks Complex	71,600	C
North Carolina	Fort Bragg	Sewage Treatment Plant Upgrade	540	C
Oklahoma	Fort Sill	Whole Barracks Renewal	15,700	C

## FY 94 MCA Construction Projects

State -----	Location -----	Project -----	Cost (\$000) -----	New/ Current -----
<b>Inside The United States</b>				
Pennsylvania	Tobyhanna Army Depot	Water Pollution Abatement	750	C
South Carolina	Fort Jackson	Operations Facility	1,100	C
South Carolina	Fort Jackson	Range Upgrade	1,600	C
Texas	Fort Bliss	Consolidated Maintenance Facility	14,000	C
Texas	Fort Hood	Whole Barracks Renewal	18,000	C
Texas	Fort Hood	Cold/Dry Storage Facility	13,400	C
Texas	Fort Hood	Tactical Equipment Shop	5,300	C
Texas	Fort Hood	Test and Evaluation Support Facility	5,200	C
Texas	Fort Hood	Close Combat Tactical Trainer Facility	7,500	M
Texas	Fort Sam Houston	Multi-Purpose Family Service Center	4,351	C
Utah	Dugway Proving Ground	Life Sciences Test Facility	16,500	C
Utah	Tooele Army Depot	Treaty Verification Facility	1,500	N
US Various	Classified US Location	Classified Project	3,000	C
Virginia	Fort Belvoir	Operations Facility	860	C
Virginia	Fort Lee	Whole Barracks Renewal	20,000	C
Virginia	Fort Lee	Applied Instruction Facility	12,600	C
Virginia	Fort Myer	Whole Barracks Renewal	6,800	C
Washington	Fort Lewis	Incinerator Building Completion	14,200	C
<b>Outside The United States</b>				
Kwajalein	Kwajalein Atoll	Sewage Treatment Facility	11,200	C
Kwajalein	Kwajalein Atoll	Unaccompanied Personnel Housing	10,000	C
Overseas Various	Classified Location	Communications Maintenance Facility	3,600	C
Worldwide Various				
Worldwide Various	Minor Construction	Unspecified Minor Construction	12,000	
Worldwide Various	Planning and Design	Planning and Design	84,441	
Worldwide Various	Planning and Design	Host Nation Support	25,000	
Total Cost of New Mission projects ( 3 )			\$ 119,900	
Total Cost of Current Mission projects ( 55 )			\$ 535,301	
Total Cost of other line items ( 3 )			\$ 121,441	
Total Cost of FY 94 MCA Projects ( 61 )			\$ 776,642	

DEPARTMENT OF THE ARMY  
MILITARY CONSTRUCTION (PART I) FY 1994

## INSTALLATION LIST

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Fort Bliss	TRADOC	213
Fort Bragg	FORSCOM	169
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DEPARTMENT OF THE ARMY  
MILITARY CONSTRUCTION (PART I) FY 1994

## INSTALLATION LIST

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Minor Construction		MINEKG	315
	P		
Planning and Design		PLANDES	319
	R		
Port Rucker		TRADOC	9
	S		
Schofield Barracks		USARPAC	77
Port Sill		TRADOC	187
Port Stewart		FORSCOM	61

DEPARTMENT OF THE ARMY  
MILITARY CONSTRUCTION (PART I) FY 1994

## INSTALLATION LIST

INSTALLATION	HACOM	1390 PAGE
<u>T</u>		
Tobyhanna Army Depot	AMC	195
Tooele Army Depot	AMC	253
<u>U</u>		
United States Military Academy	XXX	161
<u>W</u>		
White Sands Missile Range	AMC	153
Fort Leonard Wood	TRADOC	129



DEPARTMENT OF THE ARMY  
MILITARY CONSTRUCTION (PART I) FY 1994

COMMAND SUMMARY

MAJOR ARMY COMMAND NAME	AUTHORIZATION REQUEST	APPROPRIATION REQUEST
<u>INSIDE THE UNITED STATES</u>		
US Army Materiel Command	167,300	167,300
US Army Forces Command	239,241	239,241
US Army Military District of Washington	7,660	7,660
US Army Training and Doctrine Command	180,800	180,800
US ARMY PACIFIC	18,600	18,600
Various US Army Major Commands-Foreign	3,000	3,000
United States Military Academy	13,800	13,800
<u>OUTSIDE THE UNITED STATES</u>		
Assistant Chief of Engineers	3,600	3,600
US Army Strategic Defense Command	21,200	21,200
<u>WORLDWIDE</u>		
Military Construction, Army-Minor	12,000	12,000
Assistant Chief of Engineers	25,000	25,000
Planning and Design	84,441	84,441
TOTAL	776,642	776,642

DEPARTMENT OF DEFENSE  
MILITARY CONSTRUCTION, ARMY

The military construction program for the active Army in terms of budget plans shown in the schedules of this title are summarized in the following tabulation:

<u>FISCAL YEAR</u>	<u>MILITARY CONSTRUCTION, ARMY BUDGET PLAN</u>
FY 1992 (Actual)	894,899,000
FY 1993 (Actual)	437,070,000
FY 1994 (Request)	776,642,000

1. Major Construction. The MCA major construction program is one of the most visible means of improving the working and living conditions of the Army Family. This program provides for military construction projects in the United States and overseas as authorized in currently effective Military Construction Acts and in the new Authorization Request which will be presented to the Congress early in 1993.

This request funds the Army's most critical facilities needs within the context of changing force structure and fiscal constraints. The Army's facilities strategy is to:

Provide Sufficient Resources  
Focus the Investment  
Reduce Facility Inventory

The Focus of investment is on revitalization of facilities at installations which remain after base closure actions. In the current year, investment is primarily directed toward improving living conditions for the single soldier and the Army's worldwide power projection capability at CONUS installations.

2. Minor Construction. Provision is made for construction of future unspecified projects that have not been individually authorized by law but are determined to be urgent requirements and do not cost more than the amounts specified in 10 USC 2805.

3. Planning. This provides for necessary planning of military construction projects including design, host nation support, standards, surveys, studies, and other related activities.

4. Supporting Activities. Provides for the Defense Access Road Program.

## Department of Defense

MILITARY CONSTRUCTION, ARMY  
[INCLUDING RESCISSIONS]

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property for the Army as currently authorized by law, including personnel in the Army Corps of Engineers and other personal services necessary for the purposes of this appropriation, and for construction and operation of facilities in support of the functions of the Commander in Chief [\$425,270,000] \$776,642,000, to remain available until September 30, [1997] 1998: *Provided*, That of this amount, not to exceed [\$110,000,000] \$109,441,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

*10 USC 2675, 2802-05, 2807, 2828, 2851-54, 2857; Military Construction Appropriations Act, 1993; additional authorizing legislation to be proposed.*

Military Construction, Army Program and Financing (in Thousands of dollars) SUMMARY			
Identification code	21-2050-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)	
Program by activities:		1992 actual	1993 est. 1994 est.
Direct program:			
00.0101 Major construction		764,899	315,270 655,201
00.0201 Minor construction		11,000	5,500 12,000
00.0301 Planning		113,000	116,300 109,441
00.0401 Supporting activities		6,000	
00.9101 Total direct program		894,899	437,070 776,642
01.0101 Reimbursable program		1,780,662	1,800,000 1,500,000
10.0001 Total		2,675,561	2,237,070 2,276,642
Financing:			
Offsetting collections from:			
11.0001 Federal funds(-)		-1,533,249	-1,550,000 -1,120,000
13.0001 Trust funds(-)		-247,413	-250,000 -380,000
14.0001 Non-Federal sources(-)			
17.0001 Recovery of prior year obligations			
21.4002 Unobligated balance available, start of year:			
21.4003 For completion of prior year budget plans			
21.4009 Available to finance new budget plans		-39,000	
22.0001 Reprogramming from/to prior year budget plans		-25,817	
22.0001 Unobligated balance transferred to other accounts		-11,131	-6,300
24.4002 Unobligated balance available, end of year:			
25.0001 For completion of prior year budget plans		6,733	
25.0001 Unobligated balance expiring			
39.0001 Budget authority		825,684	430,770 776,642
Budget authority:			
40.0001 Appropriation		823,970	430,770 776,642
41.0001 Transferred to other accounts (-)		-5,000	
42.0001 Transferred from other accounts		6,714	
43.0001 Appropriation (adjusted)		825,684	430,770 776,642
Relation of obligations to outlays:			
71.0001 Obligations incurred			
72.4001 Obligated balance, start of year			
74.4001 Obligated balance, end of year			
77.0001 Adjustments in expired accounts (net)			
78.0001 Adjustments in unexpired accounts			
90.0001 Outlays (net)			

Military Construction, Army  
Program and Financing (in thousands of dollars) SUMMARY

Obligations

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
<b>Program by activities:</b>				
<b>Direct program:</b>				
00.0101 Major construction		736,344	572,582	709,684
00.0201 Minor construction		15,058	6,071	10,800
00.0301 Planning		105,325	126,573	98,699
00.0401 Supporting activities			1,020	
00.9101 Total direct program		856,727	706,246	819,183
01.0101 Reimbursable program		1,846,119	1,800,000	1,500,000
10.0001 Total		2,702,846	2,506,246	2,319,183
<b>Financing:</b>				
<b>Offsetting collections from:</b>				
11.0001 Federal funds(-)		-1,523,375	-1,550,000	-1,120,000
13.0001 Trust funds(-)		-248,202	-250,000	-380,000
14.0001 Non-Federal sources(-)		3,422		
17.0001 Recovery of prior year obligations		-119,489		
21.4002 Unobligated balance available, start of year:			-752,206	-483,030
21.4003 For completion of prior year budget plans:		-700,126		
21.4009 Available to finance new budget plans		-39,000		
22.0001 Reprogramming from/to prior year budget plans		-11,131	-6,300	
24.4002 Unobligated balance transferred to other accounts		752,206	483,030	440,489
25.0001 Unobligated balance available, end of year:		6,733		
39.0001 For completion of prior year budget plans				
39.0001 Unobligated balance expiring		825,684	430,770	776,642
39.0001 Budget authority				
<b>Budget authority:</b>				
40.0001 Appropriation		823,970	430,770	776,642
41.0001 Transferred to other accounts (-)		-5,000		
42.0001 Transferred from other accounts		6,714		
43.0001 Appropriation (adjusted)		825,684	430,770	776,642
<b>Relation of obligations to outlays:</b>				
71.0001 Obligations incurred		936,491	706,246	819,183
72.4001 Obligated balance, start of year		622,107	893,547	782,762
74.4001 Obligated balance, end of year		-893,547	-782,762	-838,562
77.0001 Adjustments in expired accounts (net)		603		
78.0001 Adjustments in unexpired accounts		-119,489		
90.0001 Outlays (net)		546,165	817,031	763,383

Military Construction, Army  
Object Classification (in thousands of dollars) SUMMARY

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
<b>Direct obligations:</b>				
Personnel compensation:				
111.101	Full-time permanent	38,781	31,947	37,535
111.301	Other than full-time permanent	684	705	828
111.501	Other personnel compensation	18	15	17
111.901	Total personnel compensation	39,463	32,667	38,381
Personnel Benefits: Civilian personnel				
112.101	Travel and transportation of persons	17,193	14,175	16,655
121.001	Transportation of things	4,707	3,879	4,557
122.001	Communications, utilities, and miscellaneous charges	192	141	166
123.001	Printing and reproduction	202	141	166
124.001	Other services:	703	564	683
125.201	Payments to foreign national indirect hire personnel	2,017	1,693	1,988
125.203	Contracts	170,842	140,410	164,972
126.001	Supplies and materials	281	212	249
131.001	Equipment	403	353	414
132.001	Land and structures	620,854	510,951	583,321
199.001	Total Direct obligations	856,727	705,326	811,533
<b>Reimbursable obligations:</b>				
Personnel compensation:				
211.101	Full-time permanent	169,476	184,680	153,900
211.301	Other than full-time permanent	8,885	8,640	7,200
211.501	Other personnel compensation	2	2	2
211.901	Total personnel compensation	198,363	193,322	161,102
Personnel Benefits: Civilian Personnel				
212.101	Travel and transportation of persons	30,743	30,060	35,050
221.001	Transportation of things	10,231	9,900	8,250
222.001	Communications, utilities, and miscellaneous charges	2,717	2,700	2,250
223.001	Printing and reproduction	59,736	58,320	48,600
224.001	Other services:	1,086	1,080	900
225.201	Payments to foreign national indirect hire personnel	104	180	150
225.204	Other	606,473	591,300	492,750
231.001	Equipment	31,867	31,140	35,950
232.001	Land and structures	904,768	881,958	734,958
299.001	Total Reimbursable obligations	1,846,119	1,800,000	1,500,000
<b>Allocation Accounts</b>				
Personnel compensation:				
311.101	Full-time permanent		20	148
311.501	Other personnel compensation		3	20

Military Construction, Army  
Object Classification (in thousands of dollars)      SUMMARY

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
312.101 Personnel benefits: Civilian personnel			3	20
321.001 Travel and transportation of persons			3	21
322.001 Transportation of things			1	9
Other services:				
325.204 Other			15	116
326.001 Supplies and materials			2	14
331.001 Equipment			2	12
332.001 Land and structures			971	7,290
399.001 Total Allocation Accounts			1,020	7,650
999.901 Total obligations		2,702,846	2,506,246	2,319,183

Special Program Considerations  
Fiscal Year 1994

SECTION I

ITEMS OF SPECIAL INTEREST

Environmental Protection

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposal, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped persons are provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in the program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

Resolution Trust Corporation Real Estate Assets

In accordance with guidance contained in Senate Report 101-384, page 282, the Army has screened the fiscal year 1994 construction requirements against the Resolution Trust Corporation's (RTC) Real Estate Asset Inventory. The screening process included Military Construction, Army (MCA), Army Family Housing (AFH), and Base Closure Account (BCA) construction programs. None of the properties listed in the RTC assets inventory will meet the facility or housing needs of the Army at this time. The Army will continue to monitor the RTC inventory of assets in the future to determine if our facility needs can be economically met by the purchase of RTC assets.



### Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives can be evaluated, a life cycle cost economic analysis was prepared and the results indicated on the DD Form 1391. If there were no viable alternatives for analysis, an explanation is provided on the DD Form 1391.

### Concrete Technology

The House Armed Services Committee Report #101-121, page 338, recommended that the Secretary of Defense undertake an investigation of new concrete technologies and further recommended that services include three demonstration projects in their fiscal year 1991 budget requests. Most laboratory tests on concrete made with blended hydraulic cement were completed by the U.S. Army Corps of Engineers in April 1992. Material cost of the cement is approximately three times that of conventional Portland Cement. When the life cycle cost analysis of planned facilities demonstrates that operational and time savings realized through the use of blended hydraulic cement offset its higher material and construction costs, those facilities will include blended hydraulic cement requirements in the design and construction. At this time none of the services can identify suitable, cost effective MILCON demonstration projects that would benefit by the specialized features of blended hydraulic cement. However, each service is aware of the rapid set properties of the cement and will consider its use for maintenance or repair projects having such requirements.

### Alternative Funding Sources for Overseas Projects

Conference Report No. 100-498 (Making Further Continuing Appropriations for the Fiscal Year Ending September 30, 1988), pg. 1003 directs that future budget requests include an eligibility certificate for each project requested in Europe, Japan, and Korea. All overseas projects are considered for funding in Europe by NATO Infrastructure, in Japan by the Facilities Improvement Program, and in Korea by either the Combined Defense Improvement Projects or the Republic of Korea Funded Construction programs. Projects in Europe to be funded with residual value funds will state whether or not the project is eligible for NATO Infrastructure funds. The additional paragraph of each overseas DD Form 1391 includes the certification as to alternate funding eligibility.

### Use of NATO Infrastructure Funds

The Conference Appropriation Committee Report #102-236, p. 8, states the Committees endorse the use of NATO Infrastructure funding for eligible projects in the U.S. NATO has adopted a new strategic concept which emphasizes mobility and reinforcement of forces from member nations. The U.S. has identified CONUS embarkation facilities to seek possible NATO funding at Forts Hood, TX, Riley, KS, and Benning, GA; and Military Ocean Terminals Bayonne, NJ, and Sunny Point, NC. Facilities requirements will be included in Infrastructure Capability Packages (ICP) for NATO which link military requirements with force goals. ICPs will be prepared when these force goals are finalized.

Chemical Weapons Disposal

The Fiscal Year 1994 Budget contains a project in Fiscal Year 1994 to continue the incremental funding needed to construct a second Chemical Disposal facility in the United States at Anniston Army Depot, Alabama, and a project to construct a treaty verification facility to complement the disposal facility constructed at Tooele Army Depot, Utah.

**Tooele Army Depot, Utah**

Treaty Verification Facility	\$ 1,500,000
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**Anniston Army Depot, Alabama**

Ammunition Demilitarization Facility	110,900,000
--------------------------------------	-------------

Projects for Chemical Disposal facilities to be constructed at the following remaining locations along with depot support projects will be included in subsequent budgets requests:

- Umatilla Depot Activity, Oregon
- Pine Bluff Arsenal, Arkansas
- Pueblo Depot Activity, Colorado
- Lexington-Bluegrass Army Depot, Kentucky
- Aberdeen Proving Ground, Maryland
- Newport Army Ammunition Plant, Indiana

Energy Conservation Program

The House Appropriations Committee Report #102-580, p. 3, recommends the Department include funds for energy conservation in the fiscal year 1994 budget submission along with a five year program of energy conservation. The fiscal year 1993 Appropriations Act approved \$60.5 million in Defense Agency funds to support the Department of Defense's Energy Conservation Investment Program (ECIP). The FY93 funds include \$10 million for renewable energy projects, currently under review by the Tri-Service Renewable Energy Committee, and \$0.5 million for a study on increased use of natural gas in DoD. The five year funding guidance (FY93-97) from the Office of the Secretary of Defense for the Army's portion of the remaining \$50 million was \$12.8 million/year. The Army project submission for FY93 was \$12.96 million. Army ECIP projects in excess of \$18.0 million have been identified and are under review for the FY94 program.

Construction and Basing Plans for New Major Army Weapon Systems

Section 2828 of Public Law 102-190, the FY92 Authorization Act, directs the Department of Defense to provide a full siting plan for each new major weapon system when the first increment of military construction is requested and that full siting plans for the systems be provided with the annual budget request. For the Army, there are no new major weapon systems being introduced in the FY94 Budget. Therefore, no siting plans are required.

Kwajalein Contracting and Packaging Plan

The House Appropriations Committee Report #102-74, p. 8, approved eight construction projects on Kwajalein and encouraged the Army to pursue the packaging of contracts where appropriate, to include multi-year packaging in order to achieve cost savings. A large construction package was awarded to an American contractor (H.B. Zachery of San Antonio, Texas) on 21 September 1992. The package included three Military Construction, Army projects worth \$40 million, plus BMAR and Defense funded projects totaling \$30 million. Another package was solicited in December 1992 containing two MILCON and various BMAR projects. The two Army projects should exhaust the \$47.4 million FY92 appropriation. The remaining Army projects will be solicited in May 1993 and funded using available bid savings from previous awards.

This contracting and packaging plan could result in lower construction costs. The construction cost index at Kwajalein is 2.5. Construction costs are two and one-half times the normal cost of construction in the United States because of the remoteness of Kwajalein. Once there are two contractors on site in Kwajalein, future projects should benefit from more competitive bids and reduced contractor mobilization costs.

Fiscal Year 1994

## SECTION II

## CONSTRUCTION FUNDED IN OTHER THAN MILITARY CONSTRUCTION

Appropriated Funds

Conference Report No. 100-498, Making Further Continuing Appropriations For The Fiscal Year Ending September 30, 1988 directed that an information exhibit be included in each budget request indicating construction to be accomplished with funds other than family housing and military construction. A listing is attached at the end of this section which includes:

- A. Procurement
- B. Other Appropriations (Major Repair and Minor Construction)
  - Research, Development, Testing and Evaluation (RDTE)
  - Operation and Maintenance, Army (OMA)
  - Operation and Maintenance, Army Reserve (OMAR)
- C. Overseas Residual Value
  - Military Construction
  - Real Property Maintenance

CONSTRUCTION FUNDED IN OTHER THAN MILCON - FY94A. Procurement

<u>APPROPRIATION/ LOCATION</u>	<u>COST PROJECT TITLE</u>	<u>ESTIMATE \$000</u>
AMMO		
Holston AAP, TN	Industrial Wastewater Monitoring System	217
Holston AAP, TN	Construct Flyash/Sanitary Landfill	1,834
Lake City AAP, MO	Replace Waste Line Building 1	306
Lone Star AAP, TX	Burners/Controls Fans - Building F-29	538
Lone Star AAP, TX	B-Line Barricades	742
Milan AAP, TN	Repair Rout 23	500
Radford AAP, VA	Access Walkways to Tanks in Solvent Area	1,333
Radford AAP, VA	Nitrogen Oxide (NOx) Abatement System	889
Radford AAP, VA	Upgrade Ventilation for Propellant Buildings	16,448
MSL		
Redstone Arsenal, AL	Rehab Rocket Motor Facility	2,300

B. Other Appropriations

(FY94 Minor Construction - projects less than \$300,000)

<u>APPROPRIATION</u>	<u>BUDGET ESTIMATE</u>
Operation & Maintenance, Army (OMA)	46,500
Research, Development, Test and Evaluation (RDTE)	1,900
Operation & Maintenance, Army Reserve (OMAR)	418
Operation & Maintenance, Army National Guard (OMANG)	5,200

CONSTRUCTION FUNDED IN OTHER THAN MILCON - FY94C. Overseas Residual Value

In accordance with guidance contained in Senate Report 102-355, page 8-9, which accompanied the FY93 MILCON Appropriations Bill, the Army is seeking to use Host Nation funding and residual value to fund infrastructure requirements overseas. The Army will first seek Host Nation Support where possible. The Army will then seek to reinvest residual value amounts into the Army's facility infrastructure requirements which support residual forces stationed at military bases outside the United States, or to permit the Host nation to construct capital improvements in lieu of direct payments. Fiscal Year 1993 legislation permits the use of residual value under two separate authorities:

**Overseas Military Facility Investment Recovery Account (FY93 Defense Authorization Act, PL 102-484 (106 STAT. 2609))**

This authorizes the use of residual value payments to be used overseas for facility maintenance and repair or environmental compliance. This also permits the Secretary of Defense to enter into negotiations for Payment-in-Kind, which could include construction of facilities.

**Residual Value Credits (FY93 Defense Appropriations Act, PL 102-396 (106 STAT. 1913))**

This permits separate accounts for NATO member states for deposit of residual value amounts which can then be used for facility construction or real property maintenance.

The Army will pursue residual value negotiations with the Host Nation governments to fund the following requirements with a combination of payment-in-kind and cash receipts.

<u>TYPE OF WORK</u>	<u>DESCRIPTION</u>	<u>COST ESTIMATE</u>
<b>Real Property Maintenance</b>		
	Repairs exceeding \$15,000	\$147,742,000
<b>Major Construction Projects (1391s attached)</b>		
	Grafenwoehr, GE Landfill	18,000,000
	Hohenfels, GE Upgrade Sewer System	25,000,000





1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
		APRIL 1993	
3. INSTALLATION AND LOCATION			
Grafenwoehr Training Area, Grafenwoehr, Germany			
4. PROJECT TITLE		5. PROJECT NUMBER	
Sanitary Landfill Expansion		34513	
9. COST ESTIMATES (CONTINUED)			
Item	U/M	QTY	Unit Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>			
Gas Regulator Station	SF	180	143.14 (26)
Landfill Gas Cleaning Plant	LS	--	-- (202)
Gas Collection Tank	LS	--	-- (141)
Landfield Gas Torch	LS	--	-- (125)
Gas Power Plant	LS	--	-- (403)
Swer Camera	LS	--	-- (63)
Wood Shreder	LS	--	-- (137)
Laboratory Furnishing	LS	--	-- (476)
Seepage Water Line	LF	9,200	42.74 (393)
Gravel Road	SY	3,000	20.16 (60)
Asphalt Road	SY	2,000	55.44 (111)
Maintenance Building	SF	800	186.49 (149)
Landscaping/Recultivating	LS	--	-- (1,004)
EMCS Substation	LS	--	-- (71)
EMCS Connection	LF	4,100	18.95 (78)
Security Fence/Gates	LF	1,500	44.36 (67)
Hazardous Waste Storage	EA	5	14,112 (71)
Dud Clearance	AC	31	12,096 (375)
HN Testing, OC, & Insp	LS	--	-- (403)
Building Information Systems	LS	--	-- (2)
Total			4,357
<u>REQUIREMENT: (CONTINUED)</u>			
existing sanitary landfill capacity is exceeded.			
<u>CURRENT SITUATION:</u> The existing sanitary landfill does not meet the requirements outlined in the following Host Nation (Federal and State) laws: Bavarian (State - Land) Waste Disposal and Contaminated Site Law, Part 4, Section 1: Federal Water Act Paragraphs 1A, 22, and 34; and both the Federal and the State nature protection laws. This landfill is the sole depository for refuse generated annually by the Grafenwoehr, Hohenfels, Vilseck Subcommunities, and the US Army. Approximately 17,000 tons of waste are generated annually by these communities, the USAREUR troops that deploy to the Grafenwoehr and Hohenfels training areas. To alleviate political problems, the sanitary landfill was recently rehabilitated to meet short-term environmental requirements. At the present filling rate, the rehabilitated sanitary landfill will be exceeded by June 1994. Thereafter, without this project, waste would have to be dumped on unprotected ground in violation of host nation and US waste disposal and water protection laws. Legal conflicts between the US Army and Federal Republic of Germany (FRG) could result. As it is not possible to deliver the waste to local sanitary landfills or trash incineration plants,			



1. COMPONENT	2. DATE
ARMY	APRIL 1993
FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION	
Grafenwoehr Training Area, Grafenwoehr, Germany	
4. PROJECT TITLE	5. PROJECT NUMBER
Sanitary Landfill Expansion	34513
CURRENT SITUATION: (CONTINUED)	
the extension of the sanitary landfill is the only alternative without violating host nation and US environmental laws.	
IMPACT IF NOT PROVIDED: If this project is not provided, a serious refuse disposal problem will develop by June 1994, US and host nation environmental laws will be violated, soil and water resources will become contaminated and the health and environment of the US community will be threatened. This threat to health and damage to the environment could lead to political conflict between the US Forces and the host nation.	
ADDITIONAL: This project has been reviewed by Headquarters US Army Europe (USAREUR) and approved by Commander-in-Chief, US Army Europe (CINCUSAREUR). It will still be required after any planned troop reductions. This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 14 July 1989. This project is not eligible for Infrastructure funding. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. Sanitary Landfill Repair Phases 1 and 2 (FY 91-92) are prerequisites for this sanitary landfill extension project and they are funded under the OMA appropriation.	
12. SUPPLEMENTAL DATA:	
A. Estimated Design Data:	
(1) Status:	
(a) Design Start Date.....	MAR 1991
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100
(d) Design Complete Date.....	JUL 1992
(2) Basis:	
(a) Standard or Definitive Design - (YES/NO) N	
(b) Where Design Was Most Recently Used	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)	
(a) Production of Plans and Specifications.....	620
(b) All Other Design Costs.....	283
(c) Total Design Cost.....	903
(d) Contract.....	378
(e) In-house.....	525

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Grafenwoehr Training Area, Grafenwoehr, Germany		
4. PROJECT TITLE  Sanitary Landfill Expansion		5. PROJECT NUMBER  34513
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(4) Construction Start..... JAN 1993 month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Or Requested
Info Sys - ISC	OPA	1994
		TOTAL
		Cost (\$000) 4

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Hohenfels Training Area Hohenfels, Germany</b>				4. PROJECT TITLE <b>Upgrade Sewer System</b>		
5. PROGRAM ELEMENT <b>22056A</b>		6. CATEGORY CODE <b>832</b>	7. PROJECT NUMBER <b>29786</b>		8. PROJECT COST (\$000) Auth Approp	
<b>9. COST ESTIMATES</b>						
ITEM					U/M	QUANTITY
					UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>						<b>18,941</b>
Storm Sewer Lines					LF	53,458 103.00 (5,506)
Clarification Basins					LS	-- -- (309)
Retention Basins					EA	6 244,041 (1,464)
Settling Basins					EA	6 495,858 (2,975)
Upgrade Sewage Trmt Plant					LS	-- -- (8,621)
EMCS Connection					LS	-- -- (66)
<b>SUPPORTING FACILITIES</b>						<b>3,444</b>
Electric Service					LS	-- -- (478)
Water, Sewer, Gas					LS	-- -- (270)
Steam And/Or Chilled Water Distr					LS	-- -- (21)
Paving, Walks, Curbs, And Gutter					LS	-- -- (583)
Site Imp( 1,639) Demo( 271)					LS	-- -- (1,910)
Dud Removal					LS	-- -- (182)
<b>ESTIMATED CONTRACT COST</b>						<b>22,385</b>
<b>CONTINGENCY PERCENT (5.00%)</b>						<b>1,119</b>
<b>SUBTOTAL</b>						<b>23,504</b>
<b>SUPERVISION, INSPECTION &amp; OVERHEAD (6.50%)</b>						<b>1,528</b>
<b>TOTAL REQUEST</b>						<b>25,032</b>
<b>TOTAL REQUEST (ROUNDED)</b>						<b>25,000</b>
<b>INSTALLED EQUIPMENT-OTHER APPROPRIATIONS</b>						<b>(0)</b>
10. Description of Proposed Construction      Upgrade existing sewer collection systems, sewage treatment plant, and sewage discharge system. Work consists of a denitrification system, installation or replacement of sanitary, storm, and combined sewer lines. Construct storm water clarification, retention, and settling basins; modify and upgrade sewage plant; and replace sewage discharge line. Supporting facilities include modifications to electrical and water systems; paving, walks, and curbs; site improvements; and retaining wall. Connect utility and energy monitoring and control system (UEMCS). Demolish a portion of existing sewage plant.						
11. REQUIREMENT: 193,052 LF ADEQUATE: 138,731 LF SUBSTANDARD: 7,652 LF						
PROJECT: Upgrade sewer collection, treatment, and discharge systems. (Current Mission)						
REQUIREMENT: This project is required to retain and control surface water runoff and inflow into sewage plant and upgrade components of the sewage treatment plant, which was built in 1938. This project corrects violations of sewage treatment plant permit and is necessary for continued Federal Republic of Germany (FRG) support of construction in the FY 88 through 96 Military Construction, Army (MCA) Program.						

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Hohenfels Training Area, Hohenfels, Germany		
4. PROJECT TITLE  Upgrade Sewer System	5. PROJECT NUMBER  29786	
<p><u>CURRENT SITUATION:</u> The sewage system for Hohenfels Training Area (HTA), originally built in 1938, consists of a combined sanitary and sewer network of over 140,000 LF and a mechanical full-biological sewage system. The capacity of the system does not meet current US demands. Output of the sewage treatment plant exceeds permit requirements. The primary problem is the control of rain and surface water runoff and inflow to the sewage plant from a water shed and catchment area of 70 square kilometers. Up to 200 liters of storm water per second hits the sewage plant, overflows the valley, and discharges to the civilian community uncleaned. Due to the geological situation, the polluted storm water can reach the ground water almost unfiltered, having severe impact on US-owned water supply facilities. Oil, leaches, and acids reach the plant through the combined collection system and have a negative impact on the functional treatment system. Criteria for limited outflow concentration of biological oxygen demand (BOD5) value to degrade micro-organisms within five days), chemical oxygen demand (COD) value to degrade oxidized elements) is often exceeded. Routing storm runoff around the treatment plant is not feasible because of the large number of hardstand areas having petroleum, oils, and lubricants (POL) separators; Federal Republic of Germany (FRG) law requires POL separators to discharge into sewage treatment plants.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, severe restrictions on future operation of the HTA will continue to occur from German authorities such as Superior Finance Direction, Federal Assets Office and Water Control Office. Individual measures for storm water treatment have to be included in every project resulting in numerous small retention basins throughout the installation. Presently, there are 12 smaller basins included in construction or design of three MCA projects. The current situation is unacceptable, since floods associated with five and ten-year storms result in pollution of ground water and affect the US-owned water supply area as well as the adjacent civilian community. Environmental and property damages will continue.</p> <p><u>ADDITIONAL:</u> This project has been reviewed by Headquarters US Army Europe (USAREUR) and approved by Commander-in-Chief, US Army Europe (CINCUSAREUR). It will still be required after any planned troop reductions. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). This project is not eligible for NATO Infrastructure funding. An economic analysis has been prepared and utilized in evaluating this project.</p>		

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Hohenfels Training Area, Hohenfels, Germany		
4. PROJECT TITLE		5. PROJECT NUMBER
Upgrade Sewer System		29786
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		FEB 1990
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		45
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		100
(d) Design Complete Date.....		AUG 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		578
(b) All Other Design Costs.....		304
(c) Total Design Cost.....		882
(d) Contract.....		680
(e) In-house.....		202
(4) Construction Start.....		APR 1994
		month & year
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment	Procuring	Fiscal Year
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u> <u>Cost</u>
		<u>Or Requested</u> <u>(\$000)</u>
None		

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Alabama		Anniston Army Depot (AMC)			3
	41302	Ammunition Demilitarization Fac Ph IV	110,900	110,900	5
		Subtotal For Anniston Army Depot PART I	\$ 110,900	110,900	
		Fort Rucker (TRADOC)			9
	2095	Petroleum Lab and Fuel Storage	5,800	5,800	11
	10528	Operations Facility	1,150	1,150	14
	36037	Whole Barracks Renewal	20,000	20,000	17
		Subtotal For Fort Rucker PART I	\$ 26,950	26,950	
		* TOTAL MCA FOR Alabama	\$ 137,850	137,850	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Anniston Army Depot Alabama		4. COMMAND  US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX  0.79	

6. PERSONNEL STRENGTH:									
	PERMANENT			STUDENTS			SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	6	25	3803	0	0	0	0	0	216
B. END FY 1999	4	2	3681	0	0	0	0	0	216
									3,903

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	15,250 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	869,617
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	110,900
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	60,579
H. GRAND TOTAL.....	1,041,096

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY PROJECT		COST	DESIGN STATUS	
CODE	NUMBER PROJECT TITLE	(\$000)	START	COMPLETE
216	41302 Ammunition Demilitarization Fac Ph IV	110,900	02/1987	03/1992
TOTAL		110,900		

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM: NONE		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:	
<p>To operate a supply depot for the receipt, storage, and issue of assigned commodities, i.e., general supply and ammunition, strategic and critical materials, shelter supplies, war reserve stock, etc. To operate a depot maintenance facility for the repair, overhaul, modification, and conversion of assigned commodities, i.e., combat and tactical vehicles, artillery, small arms, ammunition, missiles, etc. To provide installation support to attached organizations, and to operate assigned facilities.</p>	



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Anniston Army Depot                      Alabama										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									



1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994		MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Anniston Army Depot Alabama		Ammunition Demilitarization Fac Ph IV	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
85796A	100	41302	Auth 110,900 Approp 110,900
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
			COST (\$000)
<u>PRIMARY FACILITY</u>			97,145
Munitions Demil Building	SF	82,466	739.86 (61,013)
Process & Utility Building	SF	20,200	321.52 (6,495)
Container Handling Building	SF	37,300	264.03 (9,848)
Corridor	SF	6,500	264.03 (1,716)
Personnel Support Building	SF	12,767	194.29 (2,481)
Total from Continuation page			(15,592)
<u>SUPPORTING FACILITIES</u>			29,462
Electric Service	LS	--	-- (10,539)
Water, Sewer, Gas	LS	--	-- (4,190)
Paving, Walks, Curbs And Gutters	LS	--	-- (5,194)
Storm Drainage	LS	--	-- (976)
Site Imp( 7,632) Demo( )	LS	--	-- (7,632)
Information Systems	LS	--	-- (931)
ESTIMATED CONTRACT COST			126,607
CONTINGENCY PERCENT (8.00%)			10,129
SUBTOTAL			136,736
SUPERVISION, INSPECTION & OVERHEAD (6.00%)			8,204
TOTAL REQUEST			144,940
TOTAL REQUEST (ROUNDED)			145,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS			(198,691)
10. Description of Proposed Construction Construct a Chemical Stockpile Disposal Program (CSDP) facility using incremental authorizations and appropriations. This request is for Increment IV (\$110.9 million). Increment I for site preparation (Project Number (PN) 35170, \$4.9 million) was approved in the FY 91 MCA program. Increment II (PN 34889, \$29.2 million) was approved in the FY 92 MCA program. Funds in the amount of \$67.0 million were reprogrammed from the \$96.2 million originally provided in FY 92 for PN 34889. Increment III PN 39202, (\$10.0 million, in authorization only) was approved in the FY 93 program. This project, at full funding and authorization, will result in the construction of a site-adapted toxic chemical munitions demilitarization (Demil) complex to process lethal chemical munitions. Primary facilities include ammunition demilitarization building (MDB) with blast containment area connected by an enclosed corridor to a munitions container handling building; a process utilities building with bulk chemical storage, brine reduction facilities, and a boiler room; a personnel and maintenance facility with change rooms, maintenance storage facility, and medical treatment area; a process support and administrative building; a chemical analysis laboratory; an entry control facility; and office/storage space and laboratory for non-US inspectors and associated US escorts. Special features include blast doors; fire protection;			

1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		APRIL 1993	
Anniston Army Depot, Alabama			
4. PROJECT TITLE		5. PROJECT NUMBER	
Ammunition Demilitarization Fac Ph IV		41302	
9. COST ESTIMATES (CONTINUED)			
Item	U/M	QTY	Unit Cost (\$000)
PRIMARY FACILITY (CONTINUED)			
Personnel Maintenance Building	SF	18,683	214.80 (4,013)
Entry Control Facility	SF	1,243	814.06 (1,012)
Laboratory	SF	8,400	572.13 (4,806)
Warehouse	SF	28,000	58.04 (1,625)
Treaty Compliance Facility	SF	3,032	389.84 (1,182)
Guard House	SF	1,600	71.79 (115)
IDS Installation	LS	--	-- (1,408)
Building Information Systems	LS	--	-- (1,431)
Total			15,592
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)			
<p>a cascading heating, ventilation, and air conditioning (HVAC) system with airlocks for agent containment; special air filtration; special personnel protective clothing area; toxic chemical resistive coatings and surfaces; explosion-proof electrical fixtures; and information systems. Install an intrusion detection system (IDS). Supporting facilities include utilities; waste water treatment plant; electric service; an electrical substation; lighting and static protection system; standby electric generators with bypass isolation switches; paving, walks, curbs and gutters; access road; fire protection and alarm systems; storm drainage; security fencing, gates and lighting; fuel storage and distribution; information systems; and site improvements. Heating will be provided by gas-fired, self-contained system and air conditioning (500 tons) will be provided by self-contained units.</p>			
11. REQUIREMENT: 217,159 SF ADEQUATE: NONE SUBSTANDARD: NONE			
PROJECT: Construct a toxic chemical munitions demilitarization complex to dispose of lethal chemical agent munitions stored at Anniston Army Depot. (New Mission)			
REQUIREMENT: This project is required to provide the capability to demilitarize and dispose of the toxic chemical agents and munitions stored at this location in a safe, environmentally acceptable manner. Congress has mandated the disposal of the existing unitary chemical stockpile. The Army submitted an implementation plan to Congress in March 1988, in response to a specific Congressional request, which cites this facility as an integral and essential part of the chemical stockpile disposal program.			
CURRENT SITUATION: Rockets, mines, projectiles, and one-ton containers containing lethal chemical agents are stored in igloos at the installation some showing rapid deterioration. These munitions are of no strategic value, but they must be safely stored and inspected to ensure that there is no risk to the public or the environment. The monitoring and surveillance costs for			

1. COMPONENT	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE																		
ARMY		APRIL 1993																		
3. INSTALLATION AND LOCATION																				
Anniston Army Depot, Alabama																				
4. PROJECT TITLE	5. PROJECT NUMBER																			
Ammunition Demilitarization Fac Ph IV	41302																			
<p><u>CURRENT SITUATION:</u>      (CONTINUED)</p> <p>safe storage continue to accrue. No other acceptable disposal facilities are available.</p> <p><u>IMPACT IF NOT PROVIDED:</u>    If this project is not provided, the Army will not be able to comply with the Congressional mandate for chemical munitions stockpile disposal. Also, maintenance and surveillance costs will continue to grow as the agents and munitions deteriorate with age. The threat to the health of Depot employees and the environment will continue.</p> <p><u>ADDITIONAL:</u>    This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>																				
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(a) Design Start Date.....</td> <td style="text-align: right;">FEB 1987</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR) ..</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR) ..</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td style="text-align: right;">MAR 1992</td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) N</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):      (\$000)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">2,400</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">2,400</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td style="text-align: right;">2,400</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">2,400</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;"></td> </tr> </table> <p>(4) Construction Start.....      APR 1994</p> <p style="text-align: right;">month &amp; year</p>			(a) Design Start Date.....	FEB 1987	(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	100	(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	(d) Design Complete Date.....	MAR 1992	(a) Production of Plans and Specifications.....	2,400	(b) All Other Design Costs.....	2,400	(c) Total Design Cost.....	2,400	(d) Contract.....	2,400	(e) In-house.....	
(a) Design Start Date.....	FEB 1987																			
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(e) In-house.....																				

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993																																				
3. INSTALLATION AND LOCATION  Anniston Army Depot, Alabama																																						
4. PROJECT TITLE  Ammunition Demilitarization Fac Ph IV		5. PROJECT NUMBER  41302																																				
<p>12. SUPPLEMENTAL DATA: (CONTINUED)</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>Fiscal Year Appropriated Or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Process Equipment</td> <td>CAMD.D</td> <td>1992</td> <td>18,965</td> </tr> <tr> <td>Process Equipment</td> <td>CAMD.D</td> <td>1993</td> <td>76,342</td> </tr> <tr> <td>Process Equipment</td> <td>CAMD.D</td> <td>1994</td> <td>66,429</td> </tr> <tr> <td>Process Equipment</td> <td>CAMD.D</td> <td>1995</td> <td>35,373</td> </tr> <tr> <td>IDS Equipment</td> <td>OPA</td> <td>1992</td> <td>751</td> </tr> <tr> <td>Info Sys - ISC</td> <td>OPA</td> <td>1994</td> <td>57</td> </tr> <tr> <td>Info Sys - PROP</td> <td></td> <td>1994</td> <td>774</td> </tr> <tr> <td colspan="3">TOTAL</td> <td>198,691</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)	Process Equipment	CAMD.D	1992	18,965	Process Equipment	CAMD.D	1993	76,342	Process Equipment	CAMD.D	1994	66,429	Process Equipment	CAMD.D	1995	35,373	IDS Equipment	OPA	1992	751	Info Sys - ISC	OPA	1994	57	Info Sys - PROP		1994	774	TOTAL			198,691
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)																																			
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Info Sys - ISC	OPA	1994	57																																			
Info Sys - PROP		1994	774																																			
TOTAL			198,691																																			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Port Rucker Alabama	4. COMMAND  US Army Training and Doctrine Command	5. AREA CONSTRUCTION COST INDEX  0.85

6. PERSONNEL STRENGTH:											
PERMANENT				STUDENTS				SUPPORTED			
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	1468	2598	2943	1225	1065	11	40	42	4445	13,837	
B. END FY 1999	1275	2405	2898	1561	529	6	40	42	4445	13,201	

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	59,934 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	976,191
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	26,950
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	500
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	54,437
H. GRAND TOTAL.....	1,058,078

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY PROJECT		COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE	(\$000)	START	COMPLETE
124	2095	Petroleum Lab and Fuel Storage	5,800	01/1991	12/1991
141	10528	Operations Facility	1,150	01/1991	08/1993
721	36037	Whole Barracks Renewal	20,000	04/1992	10/1993
TOTAL			26,950		

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
179	Combat Pistol Range	500
TOTAL		500
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:
Provides facilities and support for the Army Aviation Center and School whose mission is to provide individual pilot training for all fixed wing and rotary wing aircraft and advanced doctrines and techniques.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Port Rucker Alabama										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		FY 1994      MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY				APRIL 1993	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
Fort Rucker Alabama			Petroleum Lab and Fuel Storage		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
85796A	124	2095	Auth      5,800 Approp      5,800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITY</b>					
Laboratory Building	SF	4,300	148.25	4,960	
Earth & Concrete Berms	LS	--	--	(637)	
Above Ground Tanks (7 EA)	GA	714,000	.95	(1,471)	
Piping & Equipment	LS	--	--	(678)	
Fire Protection	LS	--	--	(1,765)	
Building Information Systems	LS	--	--	(407)	
				(2)	
<b>SUPPORTING FACILITIES</b>					
Electric Service	LS	--	--	250	
Water, Sewer, & Gas	LS	--	--	(207)	
Site Imp( 21) Demo( )	LS	--	--	(16)	
Information Systems	LS	--	--	(21)	
				(6)	
ESTIMATED CONTRACT COST				5,210	
CONTINGENCY PERCENT (5.00%)				261	
SUBTOTAL				5,471	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				328	
TOTAL REQUEST				5,799	
TOTAL REQUEST (ROUNDED)				5,800	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(1)	
10. Description of Proposed Construction      Construct seven aboveground aviation fuel storage tanks, a fuel acceptance testing laboratory, separator, foam buildings, berms, piping, filtering equipment, truck fill and unloading stands, and connection of the new tanks into existing adjacent facilities. Supporting facilities include utilities, electric service, area lighting, fire protection and alarm systems, paving, security fencing, parking, and site improvements. Heating and air conditioning will be provided.					
11. REQUIREMENT: 882,000 GA ADEQUATE: 168,000 GA SUBSTANDARD: NONE					
PROJECT: Construct aircraft fuel storage tanks and a fuel acceptance testing laboratory. (Current Mission)					
REQUIREMENT: This project is required to provide storage for a seven-day supply of aviation fuel and an adequate fuel testing acceptance laboratory. Fort Rucker's average daily fuel requirement is 120,000 gallons of various aviation fuels. The added tankage will be built as an extension of the existing storage areas. Incoming aircraft fuel must be sampled and tested before it is accepted and delivered to storage tanks at the four training fields.					



1. COMPONENT		2. DATE
ARMY		APRIL 1993
FY 1994 MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION		
Fort Rucker, Alabama		
4. PROJECT TITLE		5. PROJECT NUMBER
Petroleum Lab and Fuel Storage		2095
<p><u>CURRENT SITUATION:</u> There are 462,000 gallons of fuel storage at the four training fields and on main post. This capacity represents less than four days training requirements. As a result, fuel is delivered daily to insure a readily available supply. These tanks do not meet standards required for Underground Storage Tanks (USTs). Some are leaking and are being removed at this time using environmental funds. After replacement by this project, the other tanks are required to be decommissioned and will be removed as additional environmental funds become available. The fuel acceptance testing laboratory is now housed in a temporary building and a trailer. Both are inadequate. Training requirements are projected to decrease by only 3.5 percent by 1998.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, aviation training operations will have only a three and a half day supply of fuel. Any delays in fuel delivery longer than three days will cause delays in flight training. The inefficient fuel acceptance testing will continue to cause delays and shortfall in supply.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	MAR 1993	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	60	
(d) Design Complete Date.....	JAN 1994	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	232	
(b) All Other Design Costs.....	193	
(c) Total Design Cost.....	425	



1. COMPONENT  ARMY	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993												
3. INSTALLATION AND LOCATION  Fort Rucker, Alabama														
4. PROJECT TITLE  Petroleum Lab and Fuel Storage	5. PROJECT NUMBER  2095													
<p>12. <u>SUPPLEMENTAL DATA:</u> (Continued)</p> <p style="margin-left: 20px;">A. Estimated Design Data: (Continued)</p> <div style="margin-left: 40px;"> (d) Contract..... 25  (e) In-house..... 400 </div> <p style="margin-left: 40px;">(4) Construction Start..... <u>AUG 1994</u> month &amp; year</p> <p style="margin-left: 20px;">B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 40px;"> <thead> <tr> <th style="text-align: left;">Equipment <u>Nomenclature.</u></th> <th style="text-align: left;">Procuring <u>Appropriation</u></th> <th style="text-align: left;">Fiscal Year Appropriated <u>Or Requested</u></th> <th style="text-align: left;">Cost <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Info Sys - ISC</td> <td>OPA</td> <td>1994</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">TOTAL</td> <td style="border-top: 1px solid black;">1</td> </tr> </tbody> </table>			Equipment <u>Nomenclature.</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>	Info Sys - ISC	OPA	1994	1			TOTAL	1
Equipment <u>Nomenclature.</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>											
Info Sys - ISC	OPA	1994	1											
		TOTAL	1											

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Rucker				Operations Facility			
Alabama							
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
91520A		141		10528		Auth 1,150 Approp 1,150	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							713
CIDC Field Operations Building				SF	7,080	94.27	(668)
IDS Installation				LS	--	--	(1)
Building Information Systems				LS	--	--	(44)
<u>SUPPORTING FACILITIES</u>							317
Electric Service				LS	--	--	(36)
Water, Sewer, Gas				LS	--	--	(10)
Paving, Walks, Curbs And Gutters				LS	--	--	(54)
Storm Drainage				LS	--	--	(5)
Site Imp( 53) Demo( 31)				LS	--	--	(84)
Information Systems				LS	--	--	(128)
ESTIMATED CONTRACT COST							1,030
CONTINGENCY PERCENT (5.00%)							52
SUBTOTAL							1,082
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							65
TOTAL REQUEST							1,147
TOTAL REQUEST (ROUNDED)							1,150
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(45)
10. Description of Proposed Construction Construct a modified standard-design Criminal Investigations Division Command (CIDC) field operations building. Work includes administrative space, polygraph suite with acoustic isolation and environmental control, repository for drugs and perishable evidence, physical isolation screening room area for suspects, personnel observation and interview areas, photo identification, fingerprint room, and supply area. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; exterior lighting; fire protection and alarm systems; paving, walks, curbs and gutters; remove existing fencing; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating will be provided by heat exchangers. Air conditioning: 24 tons. Demolish three temporary buildings (8,642 SF) within the footprint.							
11. REQUIREMENT: 7,080 SF ADEQUATE: NONE SUBSTANDARD: 5,310 SF							
PROJECT: Construct a modified standard-design CIDC specialized field operations building. (Current Mission)							

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Fort Rucker, Alabama			
4. PROJECT TITLE		5. PROJECT NUMBER	
Operations Facility		10528	
<p><b>REQUIREMENT:</b> This project is required to provide operational facilities for the Fort Rucker Field Office US Army Criminal Investigation Command (USACIDC). The facility will be occupied by 12 CID personnel and four Military Police Investigators, Drug Suppression Team. This organization necessarily requires special purpose areas to properly conduct its investigative activities. There are no facilities, on or off the installation, which can satisfy the mission requirements.</p> <p><b>CURRENT SITUATION:</b> The Fort Rucker Field Office, USACIDC, currently occupies 5,310 SF in a World War II temporary barracks. This building is not properly constructed or configured for criminal investigative activities. The segregation of victims from suspects and the confidentiality of witnesses is a severe problem. The evidence room does not meet regulatory standards. The structural configuration and noise in the building, due to the heating and air conditioning system, severely degrade efficient and proper operations. The facility is not suitable for special functions such as polygraph operations.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the USACIDC Fort Rucker Field Operations will continue to be denied the adequate facilities required to do its mission. Witnesses will continue to be subject to compromise. Productivity will not improve. Morale will continue to suffer.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....		JAN 1991	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		100	
(d) Design Complete Date.....		AUG 1993	
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):		(\$000)	
(a) Production of Plans and Specifications.....		57	

1. COMPONENT  ARMY	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993																								
3. INSTALLATION AND LOCATION  Fort Rucker, Alabama																										
4. PROJECT TITLE  Operations Facility		5. PROJECT NUMBER  10528																								
<p>12. SUPPLEMENTAL DATA: (Continued)</p> <p style="margin-left: 40px;">A. Estimated Design Data: (Continued)</p> <table style="width: 100%; margin-left: 80px;"> <tr> <td style="width: 80%;">(b) All Other Design Costs.....</td> <td style="text-align: right; border-bottom: 1px solid black;">35</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td style="text-align: right; border-bottom: 1px solid black;">92</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right; border-bottom: 1px solid black;">69</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right; border-bottom: 1px solid black;">23</td> </tr> </table> <p style="margin-left: 40px;">(4) Construction Start..... DEC 1993 month &amp; year</p> <p style="margin-left: 40px;">B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 80px;"> <thead> <tr> <th style="text-align: left; width: 40%;"><u>Equipment</u> <u>Nomenclature</u></th> <th style="text-align: left; width: 30%;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left; width: 20%;"><u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u></th> <th style="text-align: right; width: 10%;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>IDS Equipment</td> <td>OPA</td> <td>1994</td> <td style="text-align: right;">7</td> </tr> <tr> <td>Info Sys - ISC</td> <td>OPA</td> <td>1994</td> <td style="text-align: right;">38</td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">45</td> </tr> </tbody> </table>			(b) All Other Design Costs.....	35	(c) Total Design Cost.....	92	(d) Contract.....	69	(e) In-house.....	23	<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	IDS Equipment	OPA	1994	7	Info Sys - ISC	OPA	1994	38	TOTAL			45
(b) All Other Design Costs.....	35																									
(c) Total Design Cost.....	92																									
(d) Contract.....	69																									
(e) In-house.....	23																									
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>																							
IDS Equipment	OPA	1994	7																							
Info Sys - ISC	OPA	1994	38																							
TOTAL			45																							

1. COMPONENT		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
ARMY					APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
Fort Rucker Alabama				Whole Barracks Renewal		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)	
85796A		721	36037		Auth      20,000 Approp      20,000	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITY</b>					16,642	
Barracks Renewal		SF	213,780	66.68	(14,257)	
Renew Bn Hq Bldgs		SF	12,260	51.73	(634)	
Renew Company Operations		SF	24,460	49.88	(1,220)	
EMCS Connection		LS	---	---	(50)	
Building Information Systems		LS	---	---	(481)	
<b>SUPPORTING FACILITIES</b>					810	
Electric Service		LS	---	---	(266)	
Water, Sewer, Gas		LS	---	---	(38)	
Paving, Walks, Curbs And Gutters		LS	---	---	(76)	
Site Imp( 364) Demo( )		LS	---	---	(364)	
Information Systems		LS	---	---	(66)	
<b>ESTIMATED CONTRACT COST</b>					17,452	
<b>CONTINGENCY PERCENT (10.0%)</b>					1,745	
<b>SUBTOTAL</b>					19,197	
<b>SUPERVISION, INSPECTION &amp; OVERHEAD (6.00%)</b>					1,152	
<b>TOTAL REQUEST</b>					20,349	
<b>TOTAL REQUEST (ROUNDED)</b>					20,000	
<b>INSTALLED EQUIPMENT-OTHER APPROPRIATIONS</b>					(53)	
10. Description of Proposed Construction      Modernize five barracks, two administration supply buildings, and two battalion headquarters buildings. Work includes living/sleeping room with private bath, walk-in closets, storage and dayroom. Company operations facilities will be located in separate buildings. Work includes upgrading interior finishes, electrical, sprinkler protection system and mechanical systems. Connect to existing energy monitoring and control system (EMCS). Supporting facilities include recreation courts, information systems, and site improvements. Air conditioning: 590 tons.						
11. REQUIREMENT:      2,518 PN ADEQUATE:      1,740 PN SUBSTANDARD:      1,091 PN						
PROJECT: Modernize five barracks, two administration supply buildings, and two battalion headquarters buildings to meet the Whole Barracks Renewal Program Standard. (Current Mission)						
REQUIREMENT: This project is required to improve living quarters in five permanent party enlisted barracks which were constructed in 1958. This project will provide for an intended utilization of 613 enlisted personnel and a maximum utilization of 690 enlisted personnel. This is the first of three barracks modernization projects and will modernize five barracks to provide a better environment for enlisted soldiers. Correction of substandard conditions						



1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Rucker, Alabama		
4. PROJECT TITLE		5. PROJECT NUMBER
Whole Barracks Renewal		36037
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(4) Construction Start..... JAN 1994 month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Cost <u>Or Requested (\$000)</u>
Info Sys - ISC	OPA	1994 53
		TOTAL 53



DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Arizona		Fort Huachuca (TRADOC)			23
	1814	Battalion Headquarters	4,800	4,800	25
	38773	General Purpose Administrative Facility	4,050	4,050	28
		Subtotal For Fort Huachuca PART I	\$ 8,850	8,850	
		* TOTAL MCA FOR Arizona	\$ 8,850	8,850	



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Huachuca Arizona		4. COMMAND  US Army Training and Doctrine Command		5. AREA CONSTRUCTION COST INDEX  1.12
6. PERSONNEL STRENGTH:				
	PERMANENT		STUDENTS	
	OFFICER ENLIST CIVIL		OFFICER ENLIST CIVIL	
	SUPPORTED		TOTAL	
A. AS OF 30 SEP 1992	691	3264 2879	589 652 7	28 111 2688 10,909
B. END FY 1999	682	4357 3213	500 1706 7	58 175 3921 14,619
7. INVENTORY DATA (\$000)				
A. TOTAL ACREAGE.....		87,222 AC		
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,189,891		
C. AUTHORIZATION NOT YET IN INVENTORY.....		0		
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		8,850		
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		19,900		
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0		
G. REMAINING DEFICIENCY.....		48,490		
H. GRAND TOTAL.....		1,267,131		
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY PROJECT		COST		DESIGN STATUS
CODE	NUMBER PROJECT TITLE	(\$000)	START	COMPLETE
141	1814 Battalion Headquarters	4,800	02/1992	09/1993
610	38773 General Purpose Administrative Facility	4,050	04/1992	11/1993
TOTAL		8,850		
9. FUTURE PROJECTS:				
CATEGORY		COST		
CODE	PROJECT TITLE	(\$000)		
A. INCLUDED IN THE FY 1995 PROGRAM:				
171	General Instruction Building	8,500		
721	Whole Barracks Renewal	11,400		
TOTAL		19,900		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE				
10. MISSION OR MAJOR FUNCTIONS:				
<p>The current mission of Fort Huachuca is to provide logistical, administrative, legal, financial, supply, and community service support to tenant organizations including an Army Major Field Command (US Army Information Systems Command, USAISC), an USAISC Major Subcommand Headquarter element (Information Systems Engineering Command), 11th Signal Brigade, an Army Major Class II Activity (US Army Electronic Proving Ground), a Major TRADOC Activity (Army Intelligence Center and School), several Department of</p>				

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Port Huachuca                      Arizona										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) Defense Activities to include the Joint Test Element of the Joint Tactical Command, Control and Communications Agency, area AMC and FORSOON Activities, and approximately 20 other tenant elements.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="194 555 802 643"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Fort Huachuca Arizona		Battalion Headquarters	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
33196A	141	1814	Auth 4,800 Approp 4,800
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
COST (\$000)			
<u>PRIMARY FACILITY</u>			
Battalion Headquarters Building	SF	35,310	101.27
Building Information Systems	LS	--	--
			3,771 (3,576) (195)
<u>SUPPORTING FACILITIES</u>			
Electric Service	LS	--	--
Water, Sewer, & Gas	LS	--	--
Paving, Walks, Curbs & Gutters	LS	--	--
Storm Drainage	LS	--	--
Site Imp( 18) Demo( )	LS	--	--
Information Systems	LS	--	--
			552 (148) (42) (288) (12) (18) (44)
ESTIMATED CONTRACT COST			4,323
CONTINGENCY PERCENT (5.00%)			216
SUBTOTAL			4,539
SUPERVISION, INSPECTION & OVERHEAD (6.00%)			272
TOTAL REQUEST			4,811
TOTAL REQUEST (ROUNDED)			4,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS			(188)
10. Description of Proposed Construction Construct a battalion headquarters building. Project includes administrative space, classrooms for organizational training, vault, technical library, and latrines. Applied instruction area will include administration space, electronic installation training, storage, loading dock, and latrines. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; access roads and parking; storm drainage; information systems; and site improvements. Heating will be provided by self-contained systems. Access for the handicapped will be provided. Evaporative cooling: 160,000 CFM. Project will include furniture related comprehensive interior design.			
11. REQUIREMENT: 35,310 SF ADEQUATE: NONE SUBSTANDARD: 44,065 SF			
PROJECT: Construct a battalion headquarters building. (Current Mission)			
REQUIREMENT: This project is required to provide a facility for the 1199th Signal Battalion to support a battalion headquarters and to teach unique communication equipment installation courses. The classrooms will be utilized for group learning, individual problem testing, team testing, Training and Doctrine Command (TRADOC) approved technical training, mandatory and special military training. The 1199th Signal Battalion is assigned to Fort Huachuca			

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Huachuca, Arizona		
4. PROJECT TITLE		5. PROJECT NUMBER
Battalion Headquarters		1814
<p><u>REQUIREMENT: (CONTINUED)</u></p> <p>and provides support to the US Army's worldwide communications mission. There are no permanent facilities at Fort Huachuca that can be used to meet this requirement. This project will provide permanent consolidated facilities for battalion headquarters, classrooms and support functions.</p> <p><u>CURRENT SITUATION:</u> The present facilities occupied by 1199th Signal Battalion consist of mobilization World War II-era hospital wards which were converted to other uses prior to being used as a battalion headquarters. The age of the buildings and rapid deterioration causes intensive and costly maintenance to meet minimum standards of repair. Safety and security are minimal and the threat of fire is high. Some buildings used for supply operations are located over a quarter of a mile from the headquarters operations. The complex is located two miles from the troop cantonment area, dining facilities and other support services. The buildings are heated using a temporary, leased boiler system installed when the original system was destroyed by a July 1987 fire. Insulation in the buildings is poor or nonexistent and electrical systems are marginal and often inadequate to handle present loads. Once vacated, all buildings will be demolished.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the 1199th Signal Battalion will continue to use substandard World War II buildings which are marginal in safety. The threat of fire will remain high with loss of life a possibility. The overall readiness of the 1199th Signal Battalion's unique mission to install, rehabilitate, and modify major communications-electronic equipment and systems will be impaired. Excessive operation and maintenance costs will continue to be incurred. Facility retention will not be in consonance with Headquarters, Department of the Army directed policy to provide quality facilities for soldiers and to meet World War II facility reduction targets.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		FEB 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		35

1. COMPONENT <b>ARMY</b>	FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>																
3. INSTALLATION AND LOCATION <b>Fort Huachuca, Arizona</b>																		
4. PROJECT TITLE <b>Battalion Headquarters</b>		5. PROJECT NUMBER <b>1814</b>																
<p>12. <u>SUPPLEMENTAL DATA:</u> (Continued)</p> <p>A. Estimated Design Data: (Continued)</p> <p style="margin-left: 40px;">(c) Percent Complete As Of 01 October 93 (PROG YR)... <u>100</u></p> <p style="margin-left: 40px;">(d) Design Complete Date..... <u>SEP 1993</u></p> <p style="margin-left: 20px;">(2) Basis:</p> <p style="margin-left: 40px;">(a) Standard or Definitive Design - (YES/NO) Y</p> <p style="margin-left: 40px;">(b) Where Design Was Most Recently Used</p> <p style="margin-left: 20px;">(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <p style="margin-left: 40px;">(a) Production of Plans and Specifications..... <u>285</u></p> <p style="margin-left: 40px;">(b) All Other Design Costs..... <u>145</u></p> <p style="margin-left: 40px;">(c) Total Design Cost..... <u>430</u></p> <p style="margin-left: 40px;">(d) Contract.....</p> <p style="margin-left: 40px;">(e) In-house..... <u>430</u></p> <p style="margin-left: 20px;">(4) Construction Start..... <u>JAN 1994</u> month &amp; year</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u> <u>Nomenclature</u></th> <th style="text-align: left;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u></th> <th style="text-align: left;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Info Sys - ISC</td> <td>OPA</td> <td>1994</td> <td>176</td> </tr> <tr> <td>Info Sys - PROP</td> <td>OPA</td> <td>1994</td> <td>12</td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>TOTAL</b></td> <td><u>188</u></td> </tr> </tbody> </table>			<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Info Sys - ISC	OPA	1994	176	Info Sys - PROP	OPA	1994	12	<b>TOTAL</b>			<u>188</u>
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>															
Info Sys - ISC	OPA	1994	176															
Info Sys - PROP	OPA	1994	12															
<b>TOTAL</b>			<u>188</u>															

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Huachuca Arizona</b>			4. PROJECT TITLE <b>General Purpose Administrative Facility</b>		
5. PROGRAM ELEMENT <b>85796A</b>	6. CATEGORY CODE <b>610</b>	7. PROJECT NUMBER <b>38773</b>	8. PROJECT COST (\$000) Auth      4,050 Approp    4,050		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					
Administrative Building		SF	32,562	94.00	3,402
IDS Installation		LS	--	--	(3,061)
Building Information Systems		LS	--	--	(15)
					(326)
<b>SUPPORTING FACILITIES</b>					
Paving, Walks, Curbs And Gutters		LS	--	--	240
Site Imp( 141) Demo(      )		LS	--	--	(99)
					(141)
ESTIMATED CONTRACT COST					3,642
CONTINGENCY PERCENT (5.00%)					182
SUBTOTAL					3,824
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					229
TOTAL REQUEST					4,053
TOTAL REQUEST (ROUNDED)					4,050
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(774)
10. Description of Proposed Construction      Construct a general purpose administrative building. Project includes mechanical, electrical fire protection and information systems. Install an intrusion detection system (IDS). Supporting facilities include paving, walks, curbs and gutters; parking; and site improvements. Access for the handicapped will be provided. Heating and air conditioning (100 tons) will be provided by a central gas-fired heating and electric-powered cooling plant. Comprehensive interior design services for building, freestanding building related information systems equipment (OPA furnished), and system furniture work stations will be required.					
11. REQUIREMENT: 291,939 SF ADEQUATE: 219,939 SF SUBSTANDARD: 267,454 SF					
PROJECT: Construct a general purpose administrative building. (Current Mission)					
REQUIREMENT: This project is required to support the Directorate of Training and Doctrine (DOTD) and specialized activities of the Intelligence Center and Fort Huachuca (ICsFH). This facility will consolidate instructional and administrative support functions, sensitive compartmented information facility (SCIF) work area, and doctrine development and distribution.					



1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993								
3. INSTALLATION AND LOCATION  Fort Huachuca, Arizona										
4. PROJECT TITLE  General Purpose Administrative Facility	5. PROJECT NUMBER  38773									
<p><u>CURRENT SITUATION:</u> The DOTD occupies a variety of temporary buildings at Fort Huachuca. The World War II wooden facilities are unsuitable for modification or long term retention. The buildings lack adequate power, are of unsuitable configuration and cannot support state-of-the-art office, special purpose and specifically automated data processing equipment. Unreliable building heating and cooling systems hamper and disrupt instruction operations and endanger expensive equipment which can be damaged by high humidity. School required secure areas cannot be upgraded nor meet the stringent requirements for physical and electronic security or secure compartmented requirements. Maintenance and operation costs, particularly heating and cooling are proportionally high due to current facility conditions. Physical separation of the many facilities greatly impedes efficient use of all resources. Consolidation of activities will improve the efficiency of the organization as well as morale of personnel working under current conditions.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, DOTD will continue to be housed in substandard facilities unsuitable for supporting current and future training, equipment, and missions at Fort Huachuca. The opportunity to logically address personnel and operational consolidations will be lost. Current facility conditions will continue to deteriorate requiring additional operational expense and significantly interfere with providing responsive support to the Intelligence Center and School.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. Heating and cooling and distribution lines will be provided by a Central Heating and Cooling Plant to be constructed under Base Realignment and Closure-1 (BRAC-1) FY 93 Project 38247. Roadway and sidewalk improvements to Cibecue Street are included in BRAC-91 (FY 94) Road System Upgrade Project 38130. FY 93 BRAC 91 Project 38772 will complete the total building.</p>										
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Design Start Date.....</td> <td>APR 1992</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td>35</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td>90</td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td>NOV 1993</td> </tr> </table>			(a) Design Start Date.....	APR 1992	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35	(c) Percent Complete As Of 01 October 93 (PROG YR)..	90	(d) Design Complete Date.....	NOV 1993
(a) Design Start Date.....	APR 1992									
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35									
(c) Percent Complete As Of 01 October 93 (PROG YR)..	90									
(d) Design Complete Date.....	NOV 1993									

1. COMPONENT <b>ARMY</b>	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Huachuca, Arizona</b>			
4. PROJECT TITLE <b>General Purpose Administrative Facility</b>	5. PROJECT NUMBER <b>38773</b>		
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....		240	
(b) All Other Design Costs.....		314	
(c) Total Design Cost.....		554	
(d) Contract.....			
(e) In-house.....		554	
(4) Construction Start..... FEB 1994			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
IDS Equipment	OPA	1994	350
EMCS DEVICES	OPA	1994	17
Info Sys - ISC	OPA	1994	247
Info Sys - PROP	OPA	1994	160
TOTAL			774



DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
California		Fort Irwin (FORSCOM)			33
	31981	Whole Barracks Renewal	5,900	5,900	35
		Subtotal For Fort Irwin PART I	\$ 5,900	5,900	
		* TOTAL MCA FOR California	\$ 5,900	5,900	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Irwin California	4. COMMAND  US Army Forces Command		5. AREA CONSTRUCTION COST INDEX  1.30	

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED		
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	TOTAL	
A. AS OF 30 SEP 1992	648 3684	688 0 0 0	9 12 1295	6,336	
B. END FY 1999	661 4168	872 0 0 0	13 25 1862	7,601	

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	636,182 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	940,189
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	5,900
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	15,000
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	81,286
H. GRAND TOTAL.....	1,042,375

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:			
CATEGORY	PROJECT	COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000) START COMPLETE
721	31981	Whole Barracks Renewal	5,900 07/1992 11/1993
		TOTAL	5,900

9. FUTURE PROJECTS:		
CATEGORY	PROJECT TITLE	COST
CODE		(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
214	Consolidated Maintenance Facility	15,000
		TOTAL
		15,000
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:  The National Training Center (NTC) is an advanced collective training facility located at Fort Irwin, CA. Its mission is to provide advanced collective training opportunities to the task-organized elements of FORSCOM close-combat heavy brigades within the context of the overall FORSCOM training strategy and in accordance with AirLand Battle doctrine.
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1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Irwin California</b>			4. PROJECT TITLE <b>Whole Barracks Renewal</b>		
5. PROGRAM ELEMENT <b>22696A</b>	6. CATEGORY CODE <b>721</b>	7. PROJECT NUMBER <b>31981</b>	8. PROJECT COST (\$000) Auth <b>5,900</b> Approp <b>5,900</b>		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					<b>4,384</b>
Enlisted Barracks		SF	39,960	107.21	(4,285)
Building Information Systems		LS	--	--	(99)
<u>SUPPORTING FACILITIES</u>					<b>942</b>
Electric Service		LS	--	--	(192)
Water, Sewer, Gas		LS	--	--	(158)
Steam And/Or Chilled Water Distr		LS	--	--	(14)
Paving, Walks, Curbs And Gutters		LS	--	--	(232)
Storm Drainage		LS	--	--	(71)
Site Imp( 268) Demo( )		LS	--	--	(268)
Information Systems		LS	--	--	(7)
ESTIMATED CONTRACT COST					<b>5,326</b>
CONTINGENCY PERCENT (5.00%)					<b>266</b>
SUBTOTAL					<b>5,592</b>
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					<b>336</b>
TOTAL REQUEST					<b>5,928</b>
TOTAL REQUEST (ROUNDED)					<b>5,900</b>
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					<b>(0)</b>
10. Description of Proposed Construction Construct an enlisted barracks. Work includes living/sleeping rooms with private bath and walk-in closets, laundry room, day room, mailroom, storage, and physical equipment exercise space. Supporting facilities include utilities; electric service; security lighting; fire protection and alarm systems; paving, walks, curbs and gutters; parking; picnic and recreational areas; information systems, and site improvements. Access for the handicapped will be provided. Heating and air conditioning (100 tons) will be provided by a self-contained unit.					
11. REQUIREMENT: 2,036 PN ADEQUATE: 1,508 PN SUBSTANDARD: 616 PN					
PROJECT: Construct an enlisted barracks to meet the Whole Barracks Renewal Program Standard. (Current Mission)					
REQUIREMENT: This project is required to provide adequate housing for 100 E1-E4, and 24 E5-E6, (intended utilization) with a maximum utilization of 148 personnel. The restationing of additional troops at Fort Irwin for the brigade operations function of the National Training Center, fewer married enlisted soldiers, and lack of adequate permanent barracks on-post for single soldiers, makes this barracks project necessary.					

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Irwin, California		
4. PROJECT TITLE	5. PROJECT NUMBER	
Whole Barracks Renewal	31981	
<p><b>CURRENT SITUATION:</b> No adequate housing exists for single enlisted personnel incoming for brigade operations. Temporary existing barracks buildings will be utilized until this project is completed. The existing facilities cannot be upgraded to minimum standards due to their age, size, and design.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the single enlisted soldiers of the Fort Irwin Combat Training Center will continue to be housed in temporary facilities. Lack of operations and supply space adjacent to the barracks will fragment these functions throughout the area. Continued occupancy of temporary facilities will adversely impact the Rotational Troop Brigade Operation training mission of the National Training Center.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	JUL 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	95	
(d) Design Complete Date.....	NOV 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	336	
(b) All Other Design Costs.....	189	
(c) Total Design Cost.....	525	
(d) Contract.....		
(e) In-house.....	525	
(4) Construction Start.....		
	MAR 1994	
	month & year	

1. COMPONENT  ARMY	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993								
3. INSTALLATION AND LOCATION  Fort Irwin, California										
4. PROJECT TITLE  Whole Barracks Renewal		5. PROJECT NUMBER  31981								
<p>12. <u>SUPPLEMENTAL DATA:</u> (CONTINUED)</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table> <thead> <tr> <th><u>Equipment</u> <u>Nomenclature</u></th> <th><u>Procuring</u> <u>Appropriation</u></th> <th><u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u></th> <th><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4">None</td> </tr> </tbody> </table>			<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	None			
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>							
None										

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Colorado		Fort Carson (FORSCOM)			41
	2220	Range Control Facility	4,050	4,050	43
		Subtotal For Fort Carson PART I	\$ 4,050	4,050	
		* TOTAL MCA FOR Colorado	\$ 4,050	4,050	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Carson Colorado		4. COMMAND  US Army Forces Command			5. AREA CONSTRUCTION COST INDEX  1.03	

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED	
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	TOTAL
A. AS OF 30 SEP 1992	1640 15224 2030	0 188 0	17 0 739	19,838
B. END FY 1999	2034 16548 2223	0 128 0	59 120 1230	22,342

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	137,391 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,648,635
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	4,050
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	95,900
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	66,799
H. GRAND TOTAL.....	1,815,384

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY PROJECT			COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000)	START COMPLETE
171	2220	Range Control Facility	4,050	02/1991 09/1993
TOTAL			4,050	

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
721	Whole Barracks Renewal	21,600
214	Hardstand/Tactical Equipment Shop Addition	5,100
211	Aviation Maintenance Hangar	15,500
842	Utilities Upgrade	2,700
721	Whole Barracks Renewal	51,000
TOTAL		95,900

10. MISSION OR MAJOR FUNCTIONS:
<p>Provide support and training to the 4th Infantry Division (Mech) and other non-divisional units assigned to Fort Carson. Provide command over all assigned and attached units. Organize and train all units to ensure their combat readiness and ability to fully support the installation's mobilization mission. Provide command and control for Fort Missoula, Montana and for the Pinon Canyon Maneuver Site located in southeast Colorado. Provide support required by AR 5-9 to US Army Reserve Centers located in eight midwestern and</p>



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Port Carson Colorado										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) western states.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="82 493 704 582"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">13,200</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	13,200	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	13,200									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
Army						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Carson Colorado				Range Control Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		171		2220		Auth 4,050 Approp 4,050	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>							3,077
Range Operations Building				SF	24,900	90.26	(2,247)
Unusual Foundation				SF	24,900	4.45	(111)
Target/Lumber Storage Shed				SF	3,600	37.44	(135)
Range Equipment Wash Pad				LS	--	--	(10)
Range Parking/Outdoor Storage				SY	7,000	47.30	(331)
Total from Continuation page							(243)
<b>SUPPORTING FACILITIES</b>							575
Electric Service				LS	--	--	(55)
Water, Sewer, & Gas				LS	--	--	(125)
Paving, Walks, Curbs & Gutters				LS	--	--	(126)
Storm Drainage				LS	--	--	(65)
Site Imp( 142) Demo( )				LS	--	--	(142)
Information Systems				LS	--	--	(62)
ESTIMATED CONTRACT COST							3,652
CONTINGENCY PERCENT (5.00%)							183
SUBTOTAL							3,835
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							230
TOTAL REQUEST							4,065
TOTAL REQUEST (ROUNDED)							4,050
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(26)
10. Description of Proposed Construction Construct a central range control facility. Primary facilities include all construction within the perimeter of the range complex and consist of range operations building, supply activities, electrical shop, welding shop, carpenter shop, maintenance shop, storage and space for the range telephone operator, wash pad, parking, outside buildings for lumber and bulk storage of targets, antenna tower, and fenced outside storage area. A building and tower must be built on a down-range mountain to support the communications tower at the complex. Special foundation work is required. Supporting facilities include facilities outside the range complex perimeter and consist of utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; roads; storm drainage; security fencing; information systems; and site improvements. Heating will be provided by a self-contained gas-fired boiler. Access for the handicapped will be provided in the control facility only. Mechanical ventilation: 50,000 CFM.							
11. REQUIREMENT: 24,900 SF ADEQUATE: NONE SUBSTANDARD: 7,292 SF							
PROJECT: Construct a range control complex. (Current Mission)							

1. COMPONENT	FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE		
Army		APRIL 1993		
3. INSTALLATION AND LOCATION				
Fort Carson, Colorado				
4. PROJECT TITLE		5. PROJECT NUMBER		
Range Control Facility		2220		
<b>9. COST ESTIMATES (CONTINUED)</b>				
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<b>PRIMARY FACILITY (CONTINUED)</b>				
Antenna Tower	LS	--	--	(87)
Retransmission Site	LS	--	--	(114)
Information Systems	LS	--	--	(42)
			Total	243
<p><b>REQUIREMENT:</b> This project is required to support the training of personnel assigned to Fort Carson, and approximately 5,000 Reserve, National Guard, Marines and Reserve Officers' Training Corps (ROTC) units annually. The upgrade in communications is required because mountainous areas down-range from Fort Carson cannot be reached by radio.</p> <p><b>CURRENT SITUATION:</b> The present facility consists of six World War II wood buildings that are well past their useful life. The facility provides no space for equipment maintenance, target construction, painting, and many other daily functions. Office space and toilet facilities are inadequate for the current mission. Most of the range equipment and target devices must be stored out in the weather, as well as all of the lumber used to construct targetry. A facility must be provided for the high-tech range equipment now being fielded at Fort Carson.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, units will not receive the quality of support necessary to provide the best possible training. Equipment and supplies that should be stored inside, will continue to deteriorate due to weather damage. Inadequate radio communications will continue to impede training operations and pose a safety threat when certain parts of the training areas cannot be reached by radio.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>				

1. COMPONENT	FY 1994	MILITARY CONSTRUCTION PROJECT DATA	2. DATE
Army			APRIL 1993
3. INSTALLATION AND LOCATION			
Fort Carson, Colorado			
4. PROJECT TITLE		5. PROJECT NUMBER	
Range Control Facility		2220	
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a)	Design Start Date.....	FEB 1991	
(b)	Percent Complete As Of 01 January 93 (BDGT YR)..	35	
(c)	Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d)	Design Complete Date.....	SEP 1993	
(2) Basis:			
(a)	Standard or Definitive Design - (YES/NO) N		
(b)	Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a)	Production of Plans and Specifications.....	202	
(b)	All Other Design Costs.....	122	
(c)	Total Design Cost.....	324	
(d)	Contract.....	243	
(e)	In-house.....	81	
(4) Construction Start..... FEB 1994			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment	Procuring	Fiscal Year	Cost
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>(\$000)</u>
		<u>Or Requested</u>	
Info Sys - ISC	OPA	1994	26
		TOTAL	26

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
	NUMBER	PROJECT TITLE			
Georgia		Port Benning (TRADOC)			
	22546	Multipurpose Machine Gun Range			49
	35301	Whole Barracks Renewal	1,650	1,650	51
	35308	Barracks Modernization	17,500	17,500	54
			18,500	18,500	57
		Subtotal For Fort Benning PART I	\$ 37,650	37,650	
		Port Stewart (FORSCOM)			
	39137	Cargo Handling Facility			61
	39141	Expand Ammunition Storage Area	4,500	4,500	63
	39143	Railroad Track Improvement	3,600	3,600	66
	39153	Hardstand	2,000	2,000	69
			8,700	8,700	72
		Subtotal For Fort Stewart PART I	\$ 18,800	18,800	
		* TOTAL MCA FOR Georgia	\$ 56,450	56,450	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Port Benning Georgia		4. COMMAND  US Army Training and Doctrine Command				5. AREA CONSTRUCTION COST INDEX  0.79	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	1501	11431	4137	2264	8920	15	56
B. END FY 1999	1216	9941	4115	2013	8653	22	56
						121	3204
							29,341
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE..... 169,268 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992.....						1,957,601	
C. AUTHORIZATION NOT YET IN INVENTORY.....						0	
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....						37,650	
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....						30,950	
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....						0	
G. REMAINING DEFICIENCY.....						52,350	
H. GRAND TOTAL.....						2,078,551	
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)		START	COMPLETE
179	22546	Multipurpose Machine Gun Range		1,650		01/1992	09/1993
721	35301	Whole Barracks Renewal		17,500		07/1992	01/1994
721	35308	Barracks Modernization		18,500		07/1992	09/1993
TOTAL				37,650			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
860		Railroad Track Loading Facility		5,500			
179		Upgrade Camouche Tank Range		1,900			
721		Whole Barracks Renewal		19,200			
442		Mobilization Deployment Storehouse		4,350			
TOTAL				30,950			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support and facilities for the U.S. Army Infantry Center and School, major combat and combat support forces, Martin U.S. Army Hospital, other tenant and satellited activities and units, and Reserve Components Training.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Benning <div style="text-align: right;">Georgia</div>										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									



1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Benning Georgia</b>			4. PROJECT TITLE <b>Multipurpose Machine Gun Range</b>		
5. PROGRAM ELEMENT <b>85796A</b>	6. CATEGORY CODE <b>179</b>	7. PROJECT NUMBER <b>22546</b>	8. PROJECT COST (\$000) Auth      1,650 APPROP      1,650		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					1,116
Machinegun, M60, Transition Range		LS	--	--	(1,115)
Information Systems		LS	--	--	(1)
<b>SUPPORTING FACILITIES</b>					358
Paving, Walks, Curbs And Gutters		LS	--	--	(11)
Storm Drainage		LS	--	--	(17)
Site Imp( 324) Demo( )		LS	--	--	(324)
Information Systems		LS	--	--	(6)
ESTIMATED CONTRACT COST					1,474
CONTINGENCY PERCENT (5.00%)					74
SUBTOTAL					1,548
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					93
TOTAL REQUEST					1,641
TOTAL REQUEST (ROUNDED)					1,650
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(277)
10. Description of Proposed Construction      Construct a standard-design multi-purpose squad automatic weapons (SAW) and machine gun (MG) range with ten firing lanes. Primary facilities include all construction within the perimeter of the range complex and consist of primary power to the site (approximately one mile), secondary down range power and data control, control tower, infantry stationary target emplacements, infantry hostile fire simulator emplacements, down range target access roads, information systems, and public address system. Connect to energy monitoring and control system (EMCS). Heating (electric) and air conditioning (2 tons) will be provided by a self-contained unit for the control tower. Supporting facilities include all work outside the perimeter of the range complex and consist of parking, storm drainage, security fencing and gates, information systems, and site improvements. High support facility costs are due to the earthwork required to extend the boundaries of the existing range. Targetry will be funded by Other Procurement, Army (OPA).					
11. REQUIREMENT:		1 EA ADEQUATE:	NONE	SUBSTANDARD:	1 EA
PROJECT: Construct a standard-design multi-purpose SAW and MG Transition Range. (Current Mission)					



1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Fort Benning, Georgia			
4. PROJECT TITLE		5. PROJECT NUMBER	
Multipurpose Machine Gun Range		22546	
<p><b>REQUIREMENT:</b> This project is required to provide Active Army, Reserve and National Guard units combat training on the SAW and will comply with the One Station Unit Training (OSUT) Program of Instruction directive by the Army. It will permit training to standards by all tenant activities and units of the US Army Infantry Center.</p> <p><b>CURRENT SITUATION:</b> There are no standard facilities available at Fort Benning capable of supporting SAW training. Units use existing inadequate facilities. Training is being conducted by the United States Infantry Training Center (USAITC) on a marginal, substandard basis, using Wagner Range. Wagner Range is a nine-point, machine gun transition range with ten temporarily installed portable, remote control, 100-300 meter target systems. These facilities are not cost effective and training is not to standard.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, there will be a significant adverse impact on SAW training. The units will not be able to attain the degree of proficiency required for combat, and excessive training time will be required.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....		JAN 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR)...		40	
(c) Percent Complete As Of 01 October 93 (PROG YR)...		100	
(d) Design Complete Date.....		SEP 1993	
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) Y			
(b) Where Design Was Most Recently Used			
Schofield Barracks			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....		82	
(b) All Other Design Costs.....		50	
(c) Total Design Cost.....		132	

1. COMPONENT  <b>ARMY</b>	<b>FY 1994    MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION  <b>Fort Benning, Georgia</b>		
4. PROJECT TITLE  <b>Multipurpose Machine Gun Range</b>	5. PROJECT NUMBER  <b>22546</b>	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(d) Contract.....	99	
(e) In-house.....	33	
(4) Construction Start.....	JAN 1994	
	month & year	
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated    Cost <u>Or Requested</u> (\$000)
Targetry/Simulators	OPA	1993                      277
		TOTAL                      277

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Benning Georgia				Whole Barracks Renewal			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
85796A		721		35301		Auth 17,500 Approp 17,500	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							12,443
Modernize Barracks				SF	74,964	61.00	(4,573)
Barracks Addition				SF	35,404	72.18	(2,556)
Company Operations Facilities				SF	31,380	73.43	(2,305)
Dining Facility				SF	14,116	140.50	(1,983)
Asbestos Removal				LS	--	--	(433)
Total from Continuation page							(593)
<u>SUPPORTING FACILITIES</u>							3,258
Electric Service				LS	--	--	(474)
Water, Sewer, Gas				LS	--	--	(113)
Steam And/Or Chilled Water Distr				LS	--	--	(1,000)
Paving, Walks, Curbs And Gutters				LS	--	--	(513)
Storm Drainage				LS	--	--	(138)
Site Imp( 333) Demo( 371)				LS	--	--	(704)
Information Systems				LS	--	--	(316)
ESTIMATED CONTRACT COST							15,701
CONTINGENCY PERCENT (6.50%)							1,021
SUBTOTAL							16,722
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,003
TOTAL REQUEST							17,725
TOTAL REQUEST (ROUNDED)							17,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(134)
10. Description of Proposed Construction Modernize and expand two barracks. Work includes living/sleeping room with private bath, walk-in closets, dayroom, storage and laundry. Six Company Operations facilities will be constructed as separate facilities not located within the barracks. Construct a centralized dining facility (400-800 capacity). Work includes asbestos removal and information systems. Connect to existing energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; exterior lighting; fire protection and alarms systems; paving, walks, curbs and gutters; parking; steam and chilled water lines; storm drainage; dumpster enclosures, information systems; and site improvements. Access for the handicapped will be provided for the core building only. Heating will be provided by a self-contained system. Air conditioning (500 tons) will be provided by modifying the existing system. Demolish four existing buildings (90,430 SF) within the footprint.							
11. REQUIREMENT: 5,718 PN ADEQUATE: 30 PN SUBSTANDARD: 6,887 PN							
PROJECT: Modernize and expand two barracks and construct six company operations facilities and one standard-design dining facility (400-800 capacity) to meet the Whole Barracks Renewal Program Standard. (Current							

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
Fort Benning, Georgia			
4. PROJECT TITLE		5. PROJECT NUMBER	
Whole Barracks Renewal		35301	
9. COST ESTIMATES (CONTINUED)			
Item	U/M	QTY	Unit Cost (\$000)
PRIMARY FACILITY (CONTINUED)			
IDS Installation	LS	--	(12)
EMCS Connections	LS	--	(336)
Building Information Systems	LS	--	(245)
		Total	593
PROJECT: (CONTINUED)			
Mission)			
<p><u>REQUIREMENT:</u> This is the first in a series of 14 Whole Barracks Renewal Projects required to complete Fort Benning's long range plan for barracks renewal and modernization. This project is required to provide adequate, standard housing for unaccompanied enlisted personnel stationed at Fort Benning. Intended utilization of the barracks will be 340 personnel (maximum utilization is 400 personnel). This project will also construct separate company operations facilities; construct one standard-design dining facility (400-800 person); and contribute to the health, welfare, and morale of the service members residing in the barracks.</p>			
<p><u>CURRENT SITUATION:</u> Four barracks buildings, originally constructed in 1954, provide minimally adequate single personnel housing for 486 enlisted personnel. Latrine and shower facilities are central. Rooms created as part of a modernization project in the 1970s provide only minimum amenities. Each building includes two each company operations functions that share one designed area (split between the basement and first floor) and two buildings contain dining facilities. These areas are inadequate to accommodate the two companies now housed in the buildings.</p>			
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, permanent party enlisted personnel will continue to be housed in marginally adequate facilities, resulting in lower morale and retention rates. Separate dining facilities, which should be consolidated, will continue to operate. Improvements in keeping with the Army's Communities of Excellence program will not be provided, which will directly affect the welfare of soldiers residing in the facilities.</p>			
<p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>			

1. COMPONENT	FF 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Benning, Georgia		
4. PROJECT TITLE		5. PROJECT NUMBER
Whole Barracks Renewal		35301
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		JUL 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		90
(d) Design Complete Date.....		JAN 1994
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		672
(b) All Other Design Costs.....		336
(c) Total Design Cost.....		1,008
(d) Contract.....		
(e) In-house.....		1,008
(4) Construction Start.....		MAR 1994
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Or Requested
		Cost (\$000)
IDS Equipment	OPA	1994 12
Info Sys - ISC	OPA	1994 122
		TOTAL 134



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Benning Georgia				Barracks Modernization			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
85796A		721		35308		Auth 18,500 Approp 18,500	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							12,959
Modernize Barracks				SF	74,964	61.00	(4,573)
Barracks Addition				SF	35,404	72.92	(2,582)
Company Operations				SF	36,450	73.50	(2,679)
Asbestos Removal				LS	--	--	(458)
IDS Installation				LS	--	--	(24)
Total from Continuation page							(2,643)
<u>SUPPORTING FACILITIES</u>							3,383
Electric Service				LS	--	--	(404)
Water, Sewer, Gas				LS	--	--	(57)
Steam And/Or Chilled Water Distr				LS	--	--	(1,122)
Paving, Walks, Curbs And Gutters				LS	--	--	(574)
Storm Drainage				LS	--	--	(138)
Site Imp( 374) Demo( 422)				LS	--	--	(796)
Information Systems				LS	--	--	(292)
ESTIMATED CONTRACT COST							16,342
CONTINGENCY PERCENT (6.50%)							1,062
SUBTOTAL							17,404
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,044
TOTAL REQUEST							18,448
TOTAL REQUEST (ROUNDED)							18,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(257)
10. Description of Proposed Construction							
Modernize and expand two barracks. Work includes living/sleeping room, private bath, walk-in closets, dayroom, storage, laundry, information systems, patio, and asbestos removal. Construct eight (six small and two large) Company Operations facilities as separate facilities not located within the barracks. Connect to existing energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Temporary billeting, dining and company operations space for enlisted personnel during barracks modernization will be required. Install demountable partitioning (non-MCA funded) in the open sleeping bays and in the battalion classrooms and administrative areas of a vacant trainee barracks. Temporary billeting related work includes: electrical, information systems, and television service; reworking of heating, ventilation, and air conditioning (HVAC) systems and ductwork; expand existing supply and arms rooms into the covered training areas; parking; storm drainage; and site improvements. Supporting facilities include utilities; electric services; exterior lighting; fire protection and alarm systems; steam and water distribution lines; paving, walks, curbs and gutters; parking and access drives; signage; storm drainage; information systems; and site improvements. Demolish five buildings and portions of two other buildings (101,682 SF) within the footprint. Heating and air							

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Fort Benning, Georgia			
4. PROJECT TITLE		5. PROJECT NUMBER	
Barracks Modernization		35308	
9. COST ESTIMATES (CONTINUED)			
Item	U/M	QTY	Unit Cost (\$000)
PRIMARY FACILITY (CONTINUED)			
Temporary Billeting	SF	85,000	15.56 (1,323)
Temp. Company Operations	SF	42,500	8.40 (357)
EMCS Connections	LS	--	-- (305)
Building Information Systems	LS	--	-- (658)
Total			2,643
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)			
conditioning (400 tons) will be provided by the existing central energy plant system.			
11. REQUIREMENT: 5,070 PN ADEQUATE: 884 PN SUBSTANDARD: 4,639 PN			
PROJECT: Modernize and expand two barracks, construct eight company operations facilities to meet the Whole Barracks Renewal Program Standard. Provide temporary billeting during modernization. (Current Mission)			
REQUIREMENT: This is the second in a series of 14 Whole Barracks Renewal Projects required to complete Fort Benning's long range plan for barracks renewal and modernization. This project is required to provide adequate, standard housing for unaccompanied enlisted personnel stationed at Fort Benning. Intended utilization of the barracks will be 340 personnel (maximum utilization is 400 personnel. This project will also construct separate company operations facilities; and contribute to the health, welfare, and morale of the service members residing in these barracks. Temporary billeting, dining and company operations space for enlisted personnel in a vacant trainee barracks is required by this project prior to barracks modernization. This swing space will expedite the barracks modernization/construction process and will be reused again and again in support of the remaining 12 barracks renewal projects in Fort Benning's long range plan; it is a one time expenditure.			
CURRENT SITUATION: These facilities, originally constructed in 1956, provide minimum adequacy standards for 521 personnel. Latrine and shower facilities are central. Rooms created as part of a modernization project in the 1970s provide only minimum amenities. Each building includes two each company operations functions that share one designed area (split between the basement and first floor) while two buildings contain dining facilities. These areas are inadequate to accommodate the two companies now housed in the buildings. Vacant, austere space for billeting, dining and company operations for two battalion sized units to relocate to during modernization and construction does not exist on Fort Benning. Reduced basic training loads have resulted in one basic trainee barracks becoming vacant. Temporary austere reconfiguration of the interior open bays of this structure would provide the needed space for billeting and company operations for the two battalion sized units.			

1. COMPONENT <b>ARMY</b>	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION <b>Fort Benning, Georgia</b>		
4. PROJECT TITLE <b>Barracks Modernization</b>		5. PROJECT NUMBER <b>35308</b>
<p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, permanent party enlisted personnel will continue to be housed in marginal facilities, resulting in lower morale and retention rates. Improvements in keeping with the Army's Communities of Excellence program will not be provided which will directly affect the welfare of soldiers residing in the facilities.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>JUL 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR)...	<u>35</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR)...	<u>100</u>	
(d) Design Complete Date.....	<u>SEP 1993</u>	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	<u>850</u>	
(b) All Other Design Costs.....	<u>510</u>	
(c) Total Design Cost.....	<u>1,360</u>	
(d) Contract.....	<u>          </u>	
(e) In-house.....	<u>1,360</u>	
(4) Construction Start.....	<u>MAY 1994</u> month & year	



1. COMPONENT <b>ARMY</b>	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION <b>Fort Benning, Georgia</b>		
4. PROJECT TITLE <b>Barracks Modernization</b>	5. PROJECT NUMBER <b>35308</b>	
12. SUPPLEMENTAL DATA: (CONTINUED)		
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u> <u>Cost (\$000)</u>
IDS Equipment	OPA	1994      12
Info Sys - ISC	OPA	1994      245
		<b>TOTAL</b> <b>257</b>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Stewart Georgia		4. COMMAND  US Army Forces Command				5. AREA CONSTRUCTION COST INDEX  0.81	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		1304	13197	2309	0	138	0
B. END FY 1999		1336	13311	2628	0	110	0
					11	58	1921
					14	58	1918
							18,938
							19,375
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		284,389 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,482,291					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		18,800					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		13,400					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		152,388					
H. GRAND TOTAL.....		1,666,879					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
422	39141	Expand Ammunition Storage Area		3,600	09/1992	12/1993	
156	39137	Cargo Handling Facility		4,500	10/1992	09/1993	
852	39153	Hardstand		8,700	09/1992	10/1993	
860	39143	Railroad Track Improvement		2,000	09/1992	10/1993	
TOTAL				18,800			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
442		General Purpose Warehouse		13,400			
TOTAL				13,400			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of an Infantry Division (Mech) and non-divisional support units, and provide support for tenant and satellited activities and Reserve Components training.							



1. COMPONENT <b>ARMY</b>		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Stewart Georgia</b>				4. PROJECT TITLE <b>Cargo Handling Facility</b>			
5. PROGRAM ELEMENT <b>22696A</b>		6. CATEGORY CODE <b>156</b>		7. PROJECT NUMBER <b>39137</b>		8. PROJECT COST (\$000) Auth <b>4,500</b> Approp <b>4,500</b>	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>							<b>2,992</b>
Operations Building				SF	912	66.83	(61)
Concrete Hardstand				SY	35,188	40.40	(1,422)
Exterior Lighting				LS	--	--	(387)
Railroad Track				LS	--	--	(1,122)
<b>SUPPORTING FACILITIES</b>							<b>1,043</b>
Electric Service				LS	--	--	(14)
Water, Sewer, Gas				LS	--	--	(53)
Paving, Walks, Curbs And Gutters				LS	--	--	(3)
Storm Drainage				LS	--	--	(254)
Site Imp( 719) Demo( )				LS	--	--	(719)
ESTIMATED CONTRACT COST							4,035
CONTINGENCY PERCENT (5.00%)							202
SUBTOTAL							4,237
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							254
TOTAL REQUEST							4,491
TOTAL REQUEST (ROUNDED)							4,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(19)
10. Description of Proposed Construction Construct a container handling facility to include an operations building, an end ramp with side ramp attached, hardstand, and exterior lighting. Supporting facilities include utilities, electric service, fire protection and alarm systems, access road, fencing and gates, storm drainage, and site improvements. Access for the handicapped will be provided. Heating and air conditioning (2.25 tons) will be provided by self-contained units.							
11. REQUIREMENT: 35,188 SY ADEQUATE: NONE SUBSTANDARD: NONE							
PROJECT: Construct a container handling facility, an operations building and railroad track. (Current Mission)							
REQUIREMENT: This project will streamline deployment/redeployment of contingency forces by trucks and rail to port of embarkation and will provide a modern efficient facility to handle, transload and store 20 and 40 foot containers used to support the 24th Infantry Division (Mechanized) on a round the clock, 24 hour/per day basis. Adequate permanent facilities are not available to support this rapid deployment mission. Also, this facility will be used for "routine" deployment, e.g. National Training Center (NTC) rotations, exercises and day-to-day Directorate of Logistics (DOL) supply							

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
Fort Stewart, Georgia			
4. PROJECT TITLE		5. PROJECT NUMBER	
Cargo Handling Facility		39137	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>business.</p> <p><u>CURRENT SITUATION:</u> This project was included as a result of experience with the Desert Storm Deployment. Fort Stewart has no facilities or organic equipment to handle and store containers. Containers have become the worldwide standard means of shipping and are necessary for the efficient shipping of both civilian and military equipment and materiel. The post has compensated for this deficiency by using other equipment not designed for containers and by "borrowing" Army Reserve equipment from a equipment storage facility located approximately three miles from the staging site. Availability of this equipment for future exercises is contingent upon the maintenance status of the equipment and the deployment status of the owning unit. The containers themselves are stored and handled in an unlighted and unpaved compound and in numerous scattered locations around the post. This results in an uncertain, insecure, unsafe and inefficient loading operation under times of extreme urgency.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the installation will have no dedicated container handling facilities or equipment. As a result most of the efficiency that might be gained by the use of containers in unit deployment is lost at the installation. Handling of containers is accomplished using borrowed or inappropriate equipment in a slow and unsafe manner. Without the proper facility and equipment, containers are a burden rather than an efficient means of handling cargo.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date..... <u>OCT 1992</u>			
(b) Percent Complete As Of 01 January 93 (BDGT YR).. <u>35</u>			
(c) Percent Complete As Of 01 October 93 (PROG YR).. <u>100</u>			
(d) Design Complete Date..... <u>SEP 1993</u>			
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE										
ARMY		APRIL 1993										
3. INSTALLATION AND LOCATION												
Fort Stewart, Georgia												
4. PROJECT TITLE		5. PROJECT NUMBER										
Cargo Handling Facility		39137										
12. SUPPLEMENTAL DATA: (Continued)												
A. Estimated Design Data: (Continued)												
<p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">250</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">150</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td style="text-align: right;">400</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">300</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">100</td> </tr> </table>			(a) Production of Plans and Specifications.....	250	(b) All Other Design Costs.....	150	(c) Total Design Cost.....	400	(d) Contract.....	300	(e) In-house.....	100
(a) Production of Plans and Specifications.....	250											
(b) All Other Design Costs.....	150											
(c) Total Design Cost.....	400											
(d) Contract.....	300											
(e) In-house.....	100											
<p>(4) Construction Start..... JAN 1994</p> <p style="text-align: right;">month &amp; year</p>												
B. Equipment associated with this project which will be provided from other appropriations:												
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Or Requested      Cost (\$000)										
Info Sys - PROP	OPA	1994      19										
		TOTAL      19										

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Stewart Georgia				Expand Ammunition Storage Area			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		422		39141		Auth 3,600 Approp 3,600	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							2,729
Igloo Storage				SF	20,000	112.51	(2,250)
Modify Exist Igloos				LS	--	--	(46)
Loading Hardstand				SY	8,365	16.12	(135)
Igloo Roads				SY	5,369	20.25	(109)
Connecting Roads				SY	3,278	16.11	(53)
Total from Continuation page							(136)
<u>SUPPORTING FACILITIES</u>							493
Electric Service				LS	--	--	(17)
Storm Drainage				LS	--	--	(23)
Site Imp( 431) Demo( )				LS	--	--	(431)
Information Systems				LS	--	--	(22)
ESTIMATED CONTRACT COST							3,222
CONTINGENCY PERCENT (5.00%)							161
SUBTOTAL							3,383
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							203
TOTAL REQUEST							3,586
TOTAL REQUEST (ROUNDED)							3,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(30)
10. Description of Proposed Construction Expand Ammunition Supply Point facilities by adding storage igloos, increase staging area, construct a connecting road, and widen and repave an emergency road. Install an intrusion detection system (IDS). Supporting facilities include electric service; security lighting; paving, walks, curbs and gutters; storm drainage; information systems; and site improvements.							
11. REQUIREMENT: 87,020 SF ADEQUATE: 64,800 SF SUBSTANDARD: NONE							
PROJECT: Expand Ammunition Supply Point (ASP) facilities. (Current Mission)							
REQUIREMENT: This project is required to provide sufficient facilities for storage of the installation's authorized basic load and training ammunition, to improve the capacity and efficiency to receive and rapidly outload ammunition, to improve complex accessibility and internal vehicle movement, and to provide a 24 hour outload capability for the heavy division of the Rapid Deployment Force.							
CURRENT SITUATION: The Desert Storm Deployment demonstrated that Fort Stewart does not have adequate ammunition storage facilities for the basic load and training munitions of the 24th Infantry Division. Approximately 75 percent is stored at the installation's Ammunition Supply Point (ASP), 12							



1. COMPONENT  ARMY	<b>FY 1994    MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  APRIL 1993																									
3. INSTALLATION AND LOCATION  Fort Stewart, Georgia																											
4. PROJECT TITLE  Expand Ammunition Storage Area		5. PROJECT NUMBER  39141																									
<p><b>9. COST ESTIMATES (CONTINUED)</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Item</th> <th style="text-align: center;">U/M</th> <th style="text-align: center;">QTY</th> <th style="text-align: center;">Unit COST</th> <th style="text-align: center;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td colspan="5"><b>PRIMARY FACILITY (CONTINUED)</b></td> </tr> <tr> <td>Access Roads</td> <td style="text-align: center;">SY</td> <td style="text-align: center;">1,809</td> <td style="text-align: center;">18.13</td> <td style="text-align: right;">(33)</td> </tr> <tr> <td>Exterior Lighting</td> <td style="text-align: center;">LS</td> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td style="text-align: right;">(103)</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right;">Total</td> <td style="text-align: right;">136</td> </tr> </tbody> </table> <p><b>CURRENT SITUATION: (CONTINUED)</b>  percent is stored 45 miles away from issue point at the Hunter Army Airfield ASP, and the majority of the remaining 13 percent is stored at Lexington-Bluegrass Army Depot which is 400 miles away. In addition, there are 30 storage bunkers at the existing ASP which do not have adequate hardstand area, lighting and road network. Insufficient facilities for ammunition storage on Fort Stewart means that the 24th Infantry Division cannot meet its 48 hour deployment requirement for the "ready brigade".</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, outloading of the division's basic load ammunition will be hampered by limited vehicle access, poor lighting, insufficient storage area for projected needs and inadequate paved area to stage ammunition for loading. These conditions delay individual unit ammunition processing which directly impacts the division's ability to deploy rapidly and safely.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			Item	U/M	QTY	Unit COST	Cost (\$000)	<b>PRIMARY FACILITY (CONTINUED)</b>					Access Roads	SY	1,809	18.13	(33)	Exterior Lighting	LS	--	--	(103)				Total	136
Item	U/M	QTY	Unit COST	Cost (\$000)																							
<b>PRIMARY FACILITY (CONTINUED)</b>																											
Access Roads	SY	1,809	18.13	(33)																							
Exterior Lighting	LS	--	--	(103)																							
			Total	136																							
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Design Start Date.....</td> <td style="text-align: right;">SEP 1992</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)...</td> <td style="text-align: right;">35</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)...</td> <td style="text-align: right;">90</td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td style="text-align: right;">DEC 1993</td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) Y</p> <p>(b) Where Design Was Most Recently Used</p>			(a) Design Start Date.....	SEP 1992	(b) Percent Complete As Of 01 January 93 (BDGT YR)...	35	(c) Percent Complete As Of 01 October 93 (PROG YR)...	90	(d) Design Complete Date.....	DEC 1993																	
(a) Design Start Date.....	SEP 1992																										
(b) Percent Complete As Of 01 January 93 (BDGT YR)...	35																										
(c) Percent Complete As Of 01 October 93 (PROG YR)...	90																										
(d) Design Complete Date.....	DEC 1993																										

1. COMPONENT	<b>FY 1994    MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Stewart, Georgia		
4. PROJECT TITLE		5. PROJECT NUMBER
Expand Ammunition Storage Area		39141
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): <span style="float: right;">(\$000)</span>		
(a) Production of Plans and Specifications..... <span style="float: right;">215</span>		
(b) All Other Design Costs..... <span style="float: right;">149</span>		
(c) Total Design Cost..... <span style="float: right;">364</span>		
(d) Contract..... <span style="float: right;">273</span>		
(e) In-house..... <span style="float: right;">91</span>		
(4) Construction Start..... <span style="float: right;">FEB 1994</span> <span style="float: right;">month &amp; year</span>		
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>
		<u>Cost</u> <u>(\$000)</u>
IDS Equipment	OPA	1995 <span style="float: right;">30</span>
	TOTAL	30

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Stewart Georgia</b>				4. PROJECT TITLE <b>Railroad Track Improvement</b>		
5. PROGRAM ELEMENT <b>22696A</b>		6. CATEGORY CODE <b>860</b>	7. PROJECT NUMBER <b>39143</b>		8. PROJECT COST (\$000) Auth      2,000 Approp    2,000	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST
<b>PRIMARY FACILITY</b>						1,579
Railroad Pass Track				LF	10,670	(1,479)
RR Signalization				EA	2	(100)
<b>SUPPORTING FACILITIES</b>						211
Storm Drainage				LS	--	(11)
Site Imp( 200) Demo(      )				LS	--	(200)
ESTIMATED CONTRACT COST						1,790
CONTINGENCY PERCENT (5.00%)						90
SUBTOTAL						1,880
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						113
TOTAL REQUEST						1,993
TOTAL REQUEST (ROUNDED)						2,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(0)
10. Description of Proposed Construction      Construct a two-mile railroad pass track parallel to the Fort Stewart main lead track. Work includes an access road and an operations building. The pass track includes rail trackage, rail ties, ballast, switches, frogs, drainage, align and level rails, grading, sub-base material, crossovers, and signalization. Supporting facilities include electric service, security lighting and fencing, paving, access roads, and site improvements.						
11. REQUIREMENT:      2 MI ADEQUATE:      NONE      SUBSTANDARD:      NONE						
PROJECT: Construct a railroad pass track. (Current Mission)						
REQUIREMENT: This project will provide a pass track to facilitate and expedite the make-up, storage and movement of railroad trains. The rapid deployment of the 24th Infantry Division (24th ID) depends substantially on rail movements, in-bound and outbound, of vehicles, equipment and supplies. This two mile pass will accommodate the required 100-plus car trains and allow several rail movements per day. Also, this facility will be used for "routine" deployment e.g. National Training Center (NTC) rotations, exercises, and day-to-day Directorate of Logistics (DOL) Supply business.						

1. COMPONENT		2. DATE
FY 1994 MILITARY CONSTRUCTION PROJECT DATA		
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Stewart, Georgia		
4. PROJECT TITLE		5. PROJECT NUMBER
Railroad Track Improvement		39143
<p><u>CURRENT SITUATION:</u> Operation Desert Storm clearly demonstrated that the lack of this pass track resulted in congestion and hampered the rapid staging of rail cars. In-bound and out-bound rail movements normally consist of 30-plus car trains and occur approximately 20 times a year with half of these involving trains of more than 100 cars. The number of these exercises is expected to increase when the SL-7 transport ships are available full time in Savannah Harbor. Existing cantonment area spur and side tracks can accommodate made-up trains of only 25-30 cars, and then only by blocking loading areas and warehouse doors. Longer trains can be made up only by using several spurs and portions of the main lead simultaneously. The make-up operation requires much time, blocks loading ramps and warehouse doors, disrupts loading/unloading operations, and blocks several main road traffic arteries. As a result, many deployment related activities are disrupted slowed, or stopped during the make-up of trains. Once made up, the train must be severed in several locations (to unblock main roads) and stored on the main lead track while waiting movement to the main line. The stored train stops all in-bound and out-bound movements. Switch and road engines have no means to bypass the stored train. Rail movements are limited to one per day, at best. This project is compatible with the Army Strategic Mobilization Plan and will complement the FY 94 MCA Project Hardstand at Fort Stewart.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, rail movements, loading/unloading operations and train make-up will continue to be chaotic, inefficient, slow and less safe. Rail system configuration, rather than actual requirements, will continue to dictate movement schedules.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		SEP 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR)...		35
(c) Percent Complete As Of 01 October 93 (PROG YR)...		100
(d) Design Complete Date.....		OCT 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993																		
3. INSTALLATION AND LOCATION  Fort Stewart, Georgia																				
4. PROJECT TITLE  Railroad Track Improvement	5. PROJECT NUMBER  39143																			
<p>12. SUPPLEMENTAL DATA: (Continued)</p> <p style="margin-left: 40px;">A. Estimated Design Data: (Continued)</p> <p style="margin-left: 80px;">(b) Where Design Was Most Recently Used</p> <div style="margin-left: 80px;"> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="text-align: right; border-top: 1px solid black;">75</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right; border-top: 1px solid black;">125</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td style="text-align: right; border-top: 1px solid black;">200</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right; border-top: 1px solid black;">150</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right; border-top: 1px solid black;">50</td> </tr> </table>   <p>(4) Construction Start..... JAN 1994 month &amp; year</p> </div> <p style="margin-left: 40px;">B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="margin-left: 40px; width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 40%;">Equipment <u>Nomenclature</u></th> <th style="text-align: left; width: 30%;">Procuring <u>Appropriation</u></th> <th style="text-align: left; width: 20%;">Fiscal Year Appropriated <u>Or Requested</u></th> <th style="text-align: left; width: 10%;">Cost <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center; padding-top: 20px;">None</td> </tr> </tbody> </table>			(a) Production of Plans and Specifications.....	75	(b) All Other Design Costs.....	125	(c) Total Design Cost.....	200	(d) Contract.....	150	(e) In-house.....	50	Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>	None			
(a) Production of Plans and Specifications.....	75																			
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(c) Total Design Cost.....	200																			
(d) Contract.....	150																			
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Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>																	
None																				

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Stewart Georgia				Hardstand			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		852		39153		Auth 8,700 APPROP 8,700	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							5,823
Ready Building				SF	3,016	76.65	(231)
Concrete Hardstand				SY	150,000	25.78	(3,868)
Loading Ramps				LS	--	--	(195)
Fencing				LF	2,992	17.16	(51)
Exterior Lighting				LS	--	--	(1,478)
<u>SUPPORTING FACILITIES</u>							2,005
Electric Service				LS	--	--	(207)
Water, Sewer, Gas				LS	--	--	(30)
Steam And/Or Chilled Water Distr				LS	--	--	(42)
Paving, Walks, Curbs And Gutters				LS	--	--	(28)
Storm Drainage				LS	--	--	(513)
Site Imp( 1,174) Demo( )				LS	--	--	(1,174)
Information Systems				LS	--	--	(11)
ESTIMATED CONTRACT COST							7,828
CONTINGENCY PERCENT (5.00%)							391
SUBTOTAL							8,219
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							493
TOTAL REQUEST							8,712
TOTAL REQUEST (ROUNDED)							8,700
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(26)
10. Description of Proposed Construction							
Construct a staging area to include a ready building, loading ramps, hardstand, and hardstand lighting and fencing. Supporting facilities include utilities, electric service, storm drainage, information systems, and site improvements. Access for the handicapped will be provided.							
11. REQUIREMENT: 150,000 SY ADEQUATE: NONE SUBSTANDARD: 383,000 SY							
PROJECT: Construct a staging area to accommodate a brigade (up to seven battalions) element at any time or in any weather for rail load operations. (Current Mission)							
REQUIREMENT: This project will provide secure, well lighted, and drained areas to promote successful deployments of elements of the 24th Infantry Division, and other military units that assemble at Fort Stewart. Adequate permanent facilities are not available to support this mission. Also, this facility will be used for "routine" deployment, e.g. National Training Center (NTC) rotations, exercises, and day-to-day Directorate of Logistics (DOL) Supply business.							



1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Stewart, Georgia		
4. PROJECT TITLE  Hardstand		5. PROJECT NUMBER  39153
<p><b>CURRENT SITUATION:</b> Operation Desert Storm clearly demonstrated the need for a consolidated Brigade-sized marshalling area with hardstand and adequate lighting to support 24 hour operations in all weather and ground conditions. There are no existing hardstands on Fort Stewart that is large enough for staging a brigade for rail load operations. The only installation areas large enough to meet the mission are cleared ground areas that are poorly drained and unlighted. The best location for assembling a brigade size element for load up is a two rail track terminus area with loading docks in the west sector of the cantonment area. These grounds were once part of an ammunition storage point and are relatively clear. The staging of units here is problematic in inclement weather and dark.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, deployments during times of crisis may be compromised. Staging actions during exercises and other mobilizations will be conducted in inefficient ways.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	SEP 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR)...	35	
(c) Percent Complete As Of 01 October 93 (PROG YR)...	100	
(d) Design Complete Date.....	OCT 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	210	
(b) All Other Design Costs.....	325	
(c) Total Design Cost.....	535	
(d) Contract.....	260	
(e) In-house.....	275	



1. COMPONENT <b>ARMY</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Stewart, Georgia</b>			
4. PROJECT TITLE <b>Hardstand</b>		5. PROJECT NUMBER <b>39153</b>	
12. <u>SUPPLEMENTAL DATA:</u> (Continued)			
A. Estimated Design Data: (Continued)			
(4) Construction Start..... <u>FEB 1994</u> month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Info Sys - PROP	OPA	1994	26
		<b>TOTAL</b>	<b>26</b>

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	PAGE
Hawaii		Schofield Barracks (USARPAC)			77
	14840	Operations Facility	2,600	2,600	79
	34642	Multi-Purpose Family Service Center	16,000	16,000	82
		Subtotal For Schofield Barracks PART I	\$ 18,600	18,600	
		* TOTAL MCA FOR Hawaii	\$ 18,600	18,600	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Schofield Barracks Hawaii		4. COMMAND  US Army Pacific			5. AREA CONSTRUCTION COST INDEX  1.42	

6. PERSONNEL STRENGTH:										
PERMANENT			STUDENTS			SUPPORTED				
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	1289	12407	812	0	111	0	0	0	538	15,157
B. END FY 1999	1306	12306	819	0	71	0	0	0	538	15,040

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	14,089 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	314,889
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	18,600
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	25,500
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	87,610
H. GRAND TOTAL.....	446,599

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY PROJECT		COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE	(\$000)	START	COMPLETE
141	14840	Operations Facility	2,600	03/1992	10/1993
740	34642	Multi-Purpose Family Service Center	16,000	01/1991	10/1993
TOTAL			18,600		

9. FUTURE PROJECTS:					
CATEGORY		COST			
CODE	PROJECT TITLE	(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:					
812	Upgrade Electrical System/Substation	15,500			
721	Whole Barracks Renewal	10,000			
TOTAL		25,500			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE					

10. MISSION OR MAJOR FUNCTIONS:	
<p>Schofield Barracks houses peacetime garrison troops and their supporting organizations. It is the headquarters for the 25th Infantry Division. Parts of the U.S. Army Support Command Hawaii (USASCH), U.S. Army Information Systems Command and the 45th Support Group are also housed there. In addition, members of the other services occupy housing at Schofield.</p>	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Schofield Barracks      Hawaii										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <thead> <tr> <th></th> <th>(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td>0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td>0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td>0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Schofield Barracks Hawaii</b>				4. PROJECT TITLE <b>Operations Facility</b>		
5. PROGRAM ELEMENT <b>91520A</b>		6. CATEGORY CODE <b>141</b>	7. PROJECT NUMBER <b>14840</b>		8. PROJECT COST (\$000) Auth      2,600 Approp    2,600	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>						1,775
CIDC Field Operations Building			SF	12,918	135.70	(1,753)
IDS Installation			LS	---	---	(15)
Building Information Systems			LS	---	---	(7)
<b>SUPPORTING FACILITIES</b>						550
Electric Service			LS	---	---	(123)
Water, Sewer, Gas			LS	---	---	(28)
Paving, Walks, Curbs And Gutters			LS	---	---	(192)
Storm Drainage			LS	---	---	(75)
Site Imp( 107) Demo(      )			LS	---	---	(107)
Information Systems			LS	---	---	(25)
ESTIMATED CONTRACT COST						2,325
CONTINGENCY PERCENT (5.00%)						116
SUBTOTAL						2,441
SUPERVISION, INSPECTION & OVERHEAD (6.50%)						159
TOTAL REQUEST						2,600
TOTAL REQUEST (ROUNDED)						2,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(7)
10. Description of Proposed Construction      Construct a modified standard-design specialized Criminal Investigations Division Command (CIDC) Field Operations Building. Project includes administrative space, polygraph suite, secured evidence depository, suspect isolation areas, observation and interview areas with acoustic separation, photo identification and fingerprint room, property and supply storage and maintenance areas. Install an intrusion detection system (IDS). Supporting facilities include utilities, electric service, lightning protection, sanitary and storm sewers, fire protection and alarm systems, access roads, parking, fencing, information systems, and site improvements. Access for the handicapped will be provided. Air conditioning (45 tons) will be provided by a self-contained system. Demolish one building (800 SF) within the footprint.						
11. REQUIREMENT:      12,918 SF ADEQUATE:      NONE      SUBSTANDARD:      7,900 SF PROJECT: Construct a modified standard-design, specialized CIDC field operations building. (Current Mission) REQUIREMENT: This project is required to provide operating facilities for a District Headquarters and a Resident Agency, both of which are criminal investigative field offices of the US Army Criminal Investigation Command. The						

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Schofield Barracks, Hawaii		
4. PROJECT TITLE  Operations Facility		5. PROJECT NUMBER  14840
<p><u>REQUIREMENT: (CONTINUED)</u></p> <p>Resident Agency requires special purpose space to perform its mission. Examples are a polygraph room and evidence depository. In addition, space for 15 non-tactical vehicles, support space for four High Mobility Multi-purpose Wheeled Vehicles (HMMWV) and a repository storage of other Modified Table of Organization and Equipment (MTOE) for a 9-man detachment is required, since the Resident Agency converts from a Table of Distribution and Allowances (TDA) to a TOE combat support unit in 1995. There are 37 full-time personnel occupying the facility. No facilities on or off the installation can properly satisfy the requirement. The project would allow all operations, less drug suppression, to be consolidated under one roof.</p> <p><u>CURRENT SITUATION:</u> The unit currently uses a World War II, converted wooden warehouse that is too small even for its current needs. For example, it does not have a suspect waiting room, an interview/line-up room, a conference room, or restrooms (agents, victims, and suspects must share an outside latrine with the collocated Thrift Shop). The current evidence room storage situation violates CDC standards: the evidence room is so small that part of the evidence must be stored in another warehouse. The interview rooms lack privacy and consequently are often not used. Since the overall layout is not functional and efficient, it impedes operations. Obtaining testimony and maintaining its confidentiality is difficult due to a suspect-victim-witness separation problem. The reliability and speed of the sensitive polygraph examination is also affected by the working environment: for example, climate control and extraneous noise distractions. The present lighting is dim and the ventilation is inadequate. The storage areas flood during the rainy season. In the summer the facility is excessively hot and humid.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, inadequate space for operations will become a critical problem, and the structure will continue to deteriorate. Victim, witness, and suspect processing will continue to suffer. Inadequate space will exist for the storage of Modified Table of Organization and Equipment (MTOE) by 1995. The failure to provide adequate facilities lowers both the morale and productivity of a small, overworked, specially-skilled force and is not encouraging to soldiers.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project. Related Project: FY 95 MCA Project Number 35576 Electrical Upgrade will renovate the power in this area.</p>		

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Schofield Barracks, Hawaii		
4. PROJECT TITLE  Operations Facility	5. PROJECT NUMBER  14840	

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date..... MAR 1992

(b) Percent Complete As Of 01 January 93 (BDGT YR).. 35

(c) Percent Complete As Of 01 October 93 (PROG YR).. 90

(d) Design Complete Date..... OCT 1993

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N

(b) Where Design Was Most Recently Used

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications..... 240

(b) All Other Design Costs..... 240

(c) Total Design Cost..... 240

(d) Contract..... 240

(e) In-house..... 240

(4) Construction Start..... JAN 1994  
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated Or Requested</u>	Cost <u>(\$000)</u>
IDS Equipment	OPA	1994	6
Info Sys - ISC	OPA	1994	1
		TOTAL	7



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Schofield Barracks				Multi-Purpose Family Service Center			
Hawaii							
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22496A		740		34642		Auth 16,000 Approp 16,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>							
Child Development Center				SF	19,365	144.53	10,627
Playground w/Equip, Shed & Fence				LS	--	--	(2,799)
Family Center				SF	2,630	151.66	(390)
Chapel Center Facility				SF	13,638	190.10	(399)
Physical Fitness Center				SF	27,817	158.10	(2,593)
Information Systems				LS	--	--	(4,398)
							(48)
<b>SUPPORTING FACILITIES</b>							
Electric Service				LS	--	--	3,577
Water, Sewer, Gas				LS	--	--	(573)
Paving, Walks, Curbs And Gutters				LS	--	--	(343)
Storm Drainage				LS	--	--	(951)
Site Imp( 1,249) Demo( 14)				LS	--	--	(402)
Information Systems				LS	--	--	(1,263)
							(45)
ESTIMATED CONTRACT COST							14,204
CONTINGENCY PERCENT (5.00%)							710
SUBTOTAL							14,914
SUPERVISION, INSPECTION & OVERHEAD (6.50%)							969
TOTAL REQUEST							15,883
TOTAL REQUEST (ROUNDED)							16,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1)
10. Description of Proposed Construction							
<p>This project is part of the Service Member Support Center project at Helemano Military Reservation. Funding for the Service Member Support Center will be shared by Non-Appropriated Funds (NAF) and Military Construction, Army (MCA) construction programs. The NAF funds will be used under FY 94 Project 41205 Youth Center. The youth center and the outdoor swimming pool and wading pool with pool house will be funded by NAF funds. Service Member Support Center supporting facilities costs are prorated between the MCA and NAF projects. This project will construct a two-story service member community support center and a stand alone standard-design child development center, playground with equipment, shed and fencing. Work includes a community services center, chapel center, and a standard-design physical fitness center. Supporting facilities include utilities; electric service; paving, walks, curbs and gutters; parking; fire sprinkler, fire protection and alarm systems; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Air conditioning (135 tons) will be provided by a self-contained unit. Mechanical ventilation (2,100 CFM) for restrooms and shower areas will be provided. Demolish one building (1,000 SF) and remove pavement (40,000 SF) and slabs (4,800 SF). Due to the proposed siting of the Service Member Support Center, a two-story structure is</p>							

1. COMPONENT <b>ARMY</b>	<b>FY 1994</b> <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION <b>Schofield Barracks, Hawaii</b>		
4. PROJECT TITLE <b>Multi-Purpose Family Service Center</b>		5. PROJECT NUMBER <b>34642</b>
<p><u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u></p> <p>necessary to avoid causing Radio Frequency Interference to the Naval Communication Area Master Station's (NAVCAMS) Circular Deploy Antenna Array. The two-story structure will require an elevator for the handicapped and freight.</p>		
<p><u>11. REQUIREMENT:</u>      67,079 SF    <u>ADEQUATE:</u>      NONE      <u>SUBSTANDARD:</u>      NONE</p> <p><u>PROJECT:</u> Construct a two-story multi-purpose family service center with a stand-alone, standard-design child development center (CDC). (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide family support services facilities for Helemano Military Reservation (HMR) expanded family housing mission. It will provide a wide range of services to military personnel and their dependents. The Community Service Center will assist active duty personnel and family members with relocation and other quality-of-life concerns. Their services include financial planning, social worker counseling, family advocacy, employment services, information referral with follow-up, relocation assistance, foster care, consumer affairs, outreach program and exceptional family member program. Children will have opportunities for healthy development and a full range of activities. This project will serve an estimated 3,000 military personnel and their dependents.</p> <p><u>CURRENT SITUATION:</u> The HMR is a sub-installation of Schofield Barracks, three miles from Schofield Barracks and approximately two miles from the town of Wahiawa. Military families are now occupying the new 340 unit community. An additional 270 units were completed October 1992. At present, there are no soldier and family support facilities at Helemano. HMR is intended to house junior enlisted personnel. Statistically, these families have the greatest need of family support programs. The morale and welfare of the service members and their dependents living at HMR are seriously affected due to the distance from Schofield Barracks, the nearest installation providing morale, welfare and recreation support and programs. Further, the existing facilities at Schofield Barracks are fully utilized and were never designed to serve the additional requirements of HMR. Many personnel do not have privately-owned vehicles. No public transportation is available between Helemano and Schofield. They will have no facility available to meet their support needs. The heavy rain during at least four months of the year requires indoor support facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, HMR master plan to provide community support facilities for over 600 families will not be met. HMR will continue to have no service member and dependent support center, which would adversely affect the retention rate, community morale and welfare, and physical fitness of personnel and their families.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1</p>		

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Schofield Barracks, Hawaii			
4. PROJECT TITLE		5. PROJECT NUMBER	
Multi-Purpose Family Service Center		34642	
ADDITIONAL: (CONTINUED)			
January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a)	Design Start Date.....	JAN 1991	
(b)	Percent Complete As Of 01 January 93 (BDGT YR)..	35	
(c)	Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d)	Design Complete Date.....	OCT 1993	
(2) Basis:			
(a)	Standard or Definitive Design - (YES/NO) N		
(b)	Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a)	Production of Plans and Specifications.....	650	
(b)	All Other Design Costs.....	350	
(c)	Total Design Cost.....	1,000	
(d)	Contract.....	800	
(e)	In-house.....	200	
(4) Construction Start..... JAN 1994			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment	Procuring	Fiscal Year	Cost
Nomenclature	Appropriation	Appropriated Or Requested	(\$000)
Info Sys - ISC	OPA	1994	1
		TOTAL	1

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Kentucky		Fort Campbell (FORSCOM)			87
	820	Dining Facilities Modernization	3,500	3,500	89
	32345	Airfield Improvements	3,950	3,950	92
	39057	Mobilization Warehouse	850	850	95
	40217	Whole Barracks Renewal	32,000	32,000	98
		Subtotal For Fort Campbell PART I	\$ 40,300	40,300	
		Fort Knox (TRADOC)			101
	3091	Whole Barracks Renewal	25,000	25,000	103
	6895	Maintenance Facility	12,200	12,200	106
	22332	Multipurpose Training Range	4,150	4,150	109
		Subtotal For Fort Knox PART I	\$ 41,350	41,350	
		* TOTAL MCA FOR Kentucky	\$ 81,650	81,650	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Port Campbell Kentucky			4. COMMAND  US Army Forces Command			5. AREA CONSTRUCTION COST INDEX  1.02	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		2744	19490	2398	17	187	0
B. END FY 1999		2783	19769	2624	23	180	0
					18	92	507
					17	92	2130
							25,453
							27,618
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		36,553 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		2,345,204					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		40,300					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		54,400					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		124,806					
H. GRAND TOTAL.....		2,564,710					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
722	820	Dining Facilities Modernization		3,500	02/1992	09/1993	
116	33345	Airfield Improvements		3,950	04/1992	09/1993	
721	40217	Whole Barracks Renewal		32,000	08/1992	09/1993	
442	39057	Mobilization Warehouse		850	08/1992	09/1993	
TOTAL				40,300			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
860		Railroad Connector		10,000			
214		Tactical Equipment Shop		15,500			
860		Railroad Track Addition		7,900			
721		Whole Barracks Renewal		21,000			
TOTAL				54,400			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of an Airborne (Air Assault) Division and other non-divisional support units. Ensure the most efficient utilization of resources to operate the installation and discharge the Port Campbell area							





1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Campbell Kentucky				Dining Facilities Modernization			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		722		820		Auth 3,500 Approp 3,500	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							2,930
Modernize Dining Facilities				SF	21,914	133.72	(2,930)
<u>SUPPORTING FACILITIES</u>							91
Electric Service				LS	--	--	(27)
Water, Sewer, & Gas				LS	--	--	(28)
Paving, Walks, Curbs & Gutters				LS	--	--	(25)
Storm Drainage				LS	--	--	(11)
ESTIMATED CONTRACT COST							3,021
CONTINGENCY PERCENT (10.0%)							302
SUBTOTAL							3,323
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							199
TOTAL REQUEST							3,522
TOTAL REQUEST (ROUNDED)							3,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Modernize three dining facilities. Project includes replacement of existing equipment in food preparation area, dishwashing area, and pot and pan washing area with state-of-the-art equipment; suspended acoustical ceilings; wall coverings; floor covering; sound system and lighting. Install self-service area and short order line, upgrade main utility service capacity to accommodate modern food service equipment, and replace building drain lines. Replace roofs on three facilities. Modernize toilets in food preparation area. Supporting facilities include utilities, electric service, sanitary sewer, grease traps, storm drainage, and paving. Heating (gas-fired), air conditioning (80 tons), and ventilating systems will be provided.							
11. REQUIREMENT: 12,640 PN ADEQUATE: 11,566 PN SUBSTANDARD: 1,074 PN							
PROJECT: Modernize three dining facilities (Number served 1,074). (Current Mission)							
REQUIREMENT: This renovation is required to improve the efficiency of service and the dining environment and to reduce risks of fire and other hazards due to deficiencies of heating, ventilation, and air conditioning (HVAC) systems, electrical wiring and outlets, and aging equipment to improve							



1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Fort Campbell, Kentucky			
4. PROJECT TITLE		5. PROJECT NUMBER	
Dining Facilities Modernization		820	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>quality of food by use of modern equipment; to reduce damage to buildings due to excess moisture caused by lack of proper ventilation. The number of enlisted personnel (E-1 through E-9) served is 528 in one building and 273 each for the other two buildings. The three dining facilities are located approximately three to five miles apart. One building is located at Clarksville Base in the southwest cantonment area, one at Campbell Army Airfield in the north cantonment area, and the third located in the southwest portion of the cantonment area about three miles from Clarksville Base.</p> <p><u>CURRENT SITUATION:</u> Systems in existing dining facilities are worn, ineffective and inadequate, causing expensive damage and exposing personnel to an unhealthy working and eating environment. Heating and cooling systems of the facility at Campbell Army Airfield leak, ruining ceiling and floor tiles. Lights often blow due to moisture. Walk-in cooler walls are damaged beyond repair. Lack of ventilation in staff lavatories causes mildew. Equipment exposed to moisture poses a safety hazard. The second facility uses pedestal fans to ventilate the dining area adding to the noise intensity of 80-90 decibels (exceeding industry standards of 55 decibels). Kitchen staff is required to wear hearing protection and take audiograms. The third facility, which is at Clarksville Base, has an open dishwashing area. Steam is currently vented into the dining area causing damage and adding to the cooling load. Three walk-in freezers are unusable due to collapsed walls and ceilings. Portable refrigerators limit food storage capacity. Two facilities have one lavatory for a staff of 20 (standards require two latrines for this size). Lacking lockers to store belongings, the staff must wear work uniforms to work, which is unsanitary for food preparation.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the following adverse effects in the three dining facilities will result: unsafe and unhealthy working and dining conditions; unappealing dining areas; and disruptive and expensive repairs to aging equipment and utilities.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>			

1. COMPONENT  <b>ARMY</b>	FY <u>1994</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  <b>APRIL 1993</b>								
3. INSTALLATION AND LOCATION  <b>Fort Campbell, Kentucky</b>										
4. PROJECT TITLE  <b>Dining Facilities Modernization</b>	5. PROJECT NUMBER  <b>820</b>									
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p style="margin-left: 20px;">A. Estimated Design Data:</p> <p style="margin-left: 40px;">(1) Status:</p> <div style="margin-left: 80px;"> (a) Design Start Date..... <u>FEB 1992</u>  (b) Percent Complete As Of 01 January 93 (BDGT YR).. <u>35</u>  (c) Percent Complete As Of 01 October 93 (PROG YR).. <u>100</u>  (d) Design Complete Date..... <u>SEP 1993</u> </div> <p style="margin-left: 40px;">(2) Basis:</p> <div style="margin-left: 80px;"> (a) Standard or Definitive Design - (YES/NO) <u>N</u>  (b) Where Design Was Most Recently Used </div> <p style="margin-left: 40px;">(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): <span style="float: right;">(\$000)</span></p> <div style="margin-left: 80px;"> (a) Production of Plans and Specifications..... <u>175</u>  (b) All Other Design Costs..... <u>105</u>  (c) Total Design Cost..... <u>280</u>  (d) Contract..... <u>210</u>  (e) In-house..... <u>70</u> </div> <p style="margin-left: 40px;">(4) Construction Start..... <u>APR 1994</u>  <span style="float: right;">month &amp; year</span></p> <p style="margin-left: 20px;">B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 40px;"> <thead> <tr> <th style="text-align: left;">Equipment <u>Nomenclature</u></th> <th style="text-align: left;">Procuring <u>Appropriation</u></th> <th style="text-align: left;">Fiscal Year Appropriated <u>Or Requested</u></th> <th style="text-align: left;">Cost <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center; padding-top: 20px;">None</td> </tr> </tbody> </table>			Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>	None			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>							
None										

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Campbell Kentucky				Airfield Improvements			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		116		33345		Auth 3,950 Approp 3,950	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>							2,751
Flight Ops Bldg/Control Tower				SF	8,170	140.00	(1,144)
Remove/install ATC Tower Equip.				LS	--	--	(40)
Runway Edge Lighting				LF	10,200	39.62	(404)
Upgrade to 8" U.G. Fuel Lines				LF	9,500	102.40	(973)
Fuel Loading/Unloading Island				LS	--	--	(172)
Building Information Systems				LS	--	--	(18)
<b>SUPPORTING FACILITIES</b>							817
Electric Service				LS	--	--	(334)
Water, Sewer, Gas				LS	--	--	(6)
Paving, Walks, Curbs And Gutters				LS	--	--	(141)
Storm Drainage				LS	--	--	(16)
Site Imp( 61) Demo( 14)				LS	--	--	(74)
Information Systems				LS	--	--	(246)
<b>ESTIMATED CONTRACT COST</b>							3,568
CONTINGENCY PERCENT (5.00%)							178
SUBTOTAL							3,746
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							225
TOTAL REQUEST							3,971
TOTAL REQUEST (ROUNDED)							3,950
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(25)
10. Description of Proposed Construction							
Install a combined central lighting control console in the existing tower with upgraded circuitry to provide computer monitoring capability at this new console. Install five-stage runway edge lighting system. Construct a flight operations building with a taller control tower, raze existing control tower and tower base. Remove air traffic control equipment from existing tower at Sabre Heliport and reinstall in new tower. Supporting facilities include utilities, electric service, emergency generator, paving, and site improvements. Demolish three aboveground fuel storage tanks (185,000 gallons).							
11. REQUIREMENT: 15,200 LF ADEQUATE: NONE SUBSTANDARD: NONE							
PROJECT: Upgrade airfield and heliport. (Current Mission)							
REQUIREMENT: This modernization project is required to maintain air traffic safety at Campbell Army Airfield (CAAF) and Sabre Army Heliport and to support the rapid deployment and combat effectiveness of the 101st Airborne Division (Air Assault) and other non-divisional units stationed on-post.							
CURRENT SITUATION: Both fixed and rotary-wing operations are conducted at the CAAF/Destiny Heliport (DH) co-located facilities. Rotary-wing operations are also conducted at Sabre Army Heliport 10 miles away. This distance, along							

1. COMPONENT  ARMY	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Campbell, Kentucky		
4. PROJECT TITLE  Airfield Improvements	5. PROJECT NUMBER  33345	
<p><u>CURRENT SITUATION:</u> (CONTINUED)</p> <p>with the volume of the combined air operations, prevents the control of both facilities from a single tower. Relocation of Sabre based aircraft to CAAF/DH would require extensive construction of additional hangar and apron facilities and the combined total of 216 helicopters would overwhelm the air traffic control operations of a single tower. CAAF was constructed in 1948 as a fixed-wing airfield and modified in 1972 by the construction of Destiny Heliport to accommodate rotary-wing aircraft. Air traffic has doubled at CAAF since 1984 but many support facilities have not been updated to meet this increased volume. Further, existing landing, parking, loading and fueling facilities have deteriorated so that major upgrades are required to meet current operational and air safety standards. Of major safety concern is the location of the lighting control panel for DH which is on the opposite side of the tower from the air traffic control station. This is a special concern because during night vision goggle (NVG) training exercises the controller loses observation of the in-bound aircraft whenever it is necessary to switch the lights on or off. Sabre Heliport's tower was originally constructed in 1976 and its location and 80-foot height have become a concern. Extensive construction, such as three maintenance hangars, and native vegetation growth since 1967 have obstructed the controller's view of parts of the airfield. Portions of the hot refueling area are also unable to be seen. As air operations continue to grow, so does the potential for safety risks. Presently air operations at Sabre are located in a converted house trailer. This facility is incapable of providing most of the basic services normally associated with a base operations facility.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, training and combat readiness posture of the division and non-divisional units will continue to be adversely affected. Both day-to-day training operations and the deployment capability of these units are impaired by lack of adequate flight operations, air traffic control, and fueling facilities. Night training operations cannot be conducted on the secondary runway, as it is not equipped with edge lighting.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		

1. COMPONENT	FY 1994	MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY			APRIL 1993
3. INSTALLATION AND LOCATION			
Fort Campbell, Kentucky			
4. PROJECT TITLE		5. PROJECT NUMBER	
Airfield Improvements		33345	
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a)	Design Start Date.....	APR 1992	
(b)	Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c)	Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d)	Design Complete Date.....	SEP 1993	
(2) Basis:			
(a)	Standard or Definitive Design - (YES/NO) N		
(b)	Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a)	Production of Plans and Specifications.....	187	
(b)	All Other Design Costs.....	113	
(c)	Total Design Cost.....	300	
(d)	Contract.....	225	
(e)	In-house.....	75	
(4) Construction Start..... APR 1994			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Info Sys - ISC	OPA	1994	25
		TOTAL	25



1. COMPONENT <b>ARMY</b>		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Campbell Kentucky				4. PROJECT TITLE Mobilization Warehouse			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 442		7. PROJECT NUMBER 39057		8. PROJECT COST (\$000) Auth 850 Approp 850	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>							
Warehouse Building				SF	14,000	50.00	701
Building Information Systems				LS	--	--	(700) (1)
<b>SUPPORTING FACILITIES</b>							
Electric Service				LS	--	--	66 (25)
Water, Sewer, Gas				LS	--	--	(10)
Paving, Walks, Curbs And Gutters				LS	--	--	(8)
Site Imp( 15) Demo( )				LS	--	--	(15)
Information Systems				LS	--	--	(8)
ESTIMATED CONTRACT COST							767
CONTINGENCY PERCENT (5.00%)							38
SUBTOTAL							805
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							48
TOTAL REQUEST							853
TOTAL REQUEST (ROUNDED)							850
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1)
10. Description of Proposed Construction Construct a warehouse to store and process the 463L pallet systems and equipment. Personnel doors and a roll-up door are required. Supporting facilities include utilities; electric service; sanitary sewer; paving, walks, curbs and gutters; information systems; and site improvements. Heating will be provided by a gas-fired system. Access for the handicapped will be provided.							
11. REQUIREMENT: 14,000 SF ADEQUATE: NONE SUBSTANDARD: 10,000 SF							
PROJECT: Construct a warehouse for storage and processing 463L pallet systems. (Current Mission)							
REQUIREMENT: This project is required to provide a storage facility for pallet systems assigned to Fort Campbell as war reserve material. As authorized in Crisis Response Force and Contingency Force Time Phased Force Deployment Data (TPFDD) list, Fort Campbell has and will continue to have a requirement to store over 1,200 463L pallets. 463L pallets are designed to handle bulk and oversized non-vehicular equipment on Air Force aircraft and, as demonstrated during Operation Desert Storm, are essential to the 101st Division's contingency missions. In addition, portable scales, dunnage, and tool kits must be stored in a secure area for any contingency. This building							

1. COMPONENT <b>ARMY</b>		2. DATE <b>APRIL 1993</b>	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION <b>Fort Campbell, Kentucky</b>			
4. PROJECT TITLE <b>Mobilization Warehouse</b>		5. PROJECT NUMBER <b>39057</b>	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>must be of adequate size to permit inside loading and staging of at least three tractor trailer combinations utilizing 40 foot tractors.</p> <p><u>CURRENT SITUATION:</u> Equipment is currently housed in one half of an old hangar building adjacent to Campbell Army Airfield. This building has large roll-type doors that are off their tracks and must be opened with the use of a forklift. The building is bird infested, making working conditions inside the building unacceptable for health reasons. This building is scheduled for demolition and only a matter of time before it will be torn down.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, warehouse operations during deployment will be hampered by use of a building that is not designed for this function.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. <u>SUPPLEMENTAL DATA:</u>			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....			<u>AUG 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..			<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR) ..			<u>100</u>
(d) Design Complete Date.....			<u>SEP 1993</u>
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....			<u>50</u>
(b) All Other Design Costs.....			<u>50</u>
(c) Total Design Cost.....			<u>100</u>
(d) Contract.....			<u>75</u>
(e) In-house.....			<u>25</u>
(4) Construction Start..... <u>MAR 1994</u>			



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Mobilization Warehouse		5. PROJECT NUMBER 39057
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>
		Cost <u>(\$000)</u>
Info Sys - ISC	OPA	1994 1
		TOTAL 1

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994		MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Fort Campbell Kentucky		Whole Barracks Renewal	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
22696A	721	40217	Auth 32,000 Approp 32,000
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
			COST (\$000)
PRIMARY FACILITY			23,975
Enlisted Barracks	SF	103,680	94.00 (9,747)
Company Operations	SF	55,475	80.26 (4,453)
Battalion HQs w/Classroom	SF	54,150	96.00 (5,199)
Dining Facility	SF	14,116	172.98 (2,442)
Elevated Water Storage Tank 1 EA	LS	--	-- (1,216)
Total from Continuation page			(918)
SUPPORTING FACILITIES			4,790
Electric Service	LS	--	-- (703)
Water, Sewer, Gas	LS	--	-- (470)
Paving, Walks, Curbs And Gutters	LS	--	-- (1,681)
Storm Drainage	LS	--	-- (1,249)
Site Imp( 479) Demo( )	LS	--	-- (479)
Information Systems	LS	--	-- (208)
ESTIMATED CONTRACT COST			28,765
CONTINGENCY PERCENT (5.00%)			1,438
SUBTOTAL			30,203
SUPERVISION, INSPECTION & OVERHEAD (6.00%)			1,812
TOTAL REQUEST			32,015
TOTAL REQUEST (ROUNDED)			32,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS			(69)
10. Description of Proposed Construction Construct a barracks complex. Project includes living/sleeping rooms with private bath, walk-in closets, dayroom and storage. Complex will include seven small, five medium, and one large company administration and supply buildings, five small battalion headquarters with classroom buildings, and one battalion size enlisted personnel dining facility. Work includes upgrade of electrical substation and construct an elevated water storage tank. Connect energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; parking; access roads; storm drainage; information systems; and site improvements. Access for the handicapped will be provided in the administrative areas. Heating will be provided by gas-fired units and air conditioning (750 tons) by self-contained units.			
11. REQUIREMENT: 11,443 PN ADEQUATE: 2,456 PN SUBSTANDARD: 8,987 PN			
PROJECT: Construct a barracks complex to meet the Whole Barracks Renewal Program Standard. (Current Mission)			

1. COMPONENT <b>ARMY</b>		FY 1994      MILITARY CONSTRUCTION PROJECT DATA		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Campbell, Kentucky</b>					
4. PROJECT TITLE <b>Whole Barracks Renewal</b>				5. PROJECT NUMBER <b>40217</b>	
9. COST ESTIMATES (CONTINUED)					
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	
<u>PRIMARY FACILITY (CONTINUED)</u>					
Substation	KV	15,000	48.14	(722)	
EMCS Connection	LS	--	--	(93)	
Building Information Systems	LS	--	--	(103)	
			Total	918	
<p><u>REQUIREMENT:</u> This project is required to provide living/sleeping room with a private bath, walk-in closets, dayroom, and storage. Maximum utilization is 384 spaces. The intended utilization is 346 (E1-E4) spaces and 19 (E5-E6) spaces.</p> <p><u>CURRENT SITUATION:</u> Soldiers are living in inadequate Korean-era barracks that do not provide the minimum net square footage required by current Army standards. The total number of unaccompanied enlisted personnel housing spaces required is 11,443 for Fort Campbell. Existing barracks provide only 2,456 spaces. Fort Campbell has no soldiers that are housed at the current standard barracks concept. Thirty-two of 40 battalions are in inadequate Korean-era barracks. These barracks have gang latrines, deteriorating heating and cooling systems, and undersized sewage drains that overflow into showers, hallways, and living quarters. These barracks do not have adequate security or adequate fire protection systems.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, single soldiers stationed at Fort Campbell will continue to live in barracks which lack authorized living space; properly functioning heating and cooling systems; adequately sized utilities; safety/security components; and other features that provide security, privacy, and comfort for soldiers according to current Army standards.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>					

1. COMPONENT  <u>ARMY</u>	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993												
3. INSTALLATION AND LOCATION  Fort Campbell, Kentucky														
4. PROJECT TITLE  Whole Barracks Renewal	5. PROJECT NUMBER  40217													
<p>12. SUPPLEMENTAL DATA:</p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <p>(a) Design Start Date..... <u>AUG 1992</u></p> <p>(b) Percent Complete As Of 01 January 93 (BDGT YR).. <u>35</u></p> <p>(c) Percent Complete As Of 01 October 93 (PROG YR).. <u>100</u></p> <p>(d) Design Complete Date..... <u>SEP 1993</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) N</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <p>(a) Production of Plans and Specifications..... <u>1,550</u></p> <p>(b) All Other Design Costs..... <u>930</u></p> <p>(c) Total Design Cost..... <u>2,480</u></p> <p>(d) Contract.....</p> <p>(e) In-house..... <u>2,480</u></p> <p>(4) Construction Start..... <u>APR 1994</u> month &amp; year</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 35%;">Equipment <u>Nomenclature</u></th> <th style="text-align: left; width: 30%;">Procuring <u>Appropriation</u></th> <th style="text-align: left; width: 20%;">Fiscal Year Appropriated <u>Or Requested</u></th> <th style="text-align: left; width: 15%;">Cost <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Info Sys - ISC</td> <td>OPA</td> <td>1994</td> <td>69</td> </tr> <tr> <td></td> <td></td> <td>TOTAL</td> <td><u>69</u></td> </tr> </tbody> </table>			Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>	Info Sys - ISC	OPA	1994	69			TOTAL	<u>69</u>
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>											
Info Sys - ISC	OPA	1994	69											
		TOTAL	<u>69</u>											

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Knox Kentucky	4. COMMAND  US Army Training and Doctrine Command		5. AREA CONSTRUCTION COST INDEX  0.98	

6. PERSONNEL STRENGTH:											
	PERMANENT			STUDENTS			SUPPORTED				
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	1012	8112	3674	642	4955	35	53	188	2383	21,054	
B. END FY 1999	995	6737	4347	562	6226	1	84	213	2726	21,891	

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	109,225 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	2,213,108
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	41,350
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	31,200
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	17,204
H. GRAND TOTAL.....	2,302,862

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY PROJECT				COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE		(\$000)	START COMPLETE
721	3091	Whole Barracks Renewal		25,000	01/1992 12/1993
218	6895	Maintenance Facility		12,200	11/1990 01/1994
179	22332	Multipurpose Training Range		4,150	04/1992 06/1993
TOTAL				41,350	

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
442	Consolidated Warehouse Facility	7,900
179	Multipurpose Training Range	4,300
721	Barracks	19,000
TOTAL		31,200
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:
<p>Fort Knox houses the following: Headquarters Fort Knox, USA Amor School, 1st and 4th Training Brigades, USAARMC Headquarters Commandant/Commander of Troops, 12th Cavalry Regiment, 194th Armored Task Force, Fort Knox MEDDAC, Fort Knox DENTAC, 46th AG Battalion(Reception), US Army Research Institute, Amor Research and Development Activity, U.S. Army Second ROTC Region, U.S.</p>



1. COMPONENT		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
ARMY					APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
Fort Knox Kentucky				Whole Barracks Renewal		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
85796A		721	3091	Auth      25,000 Approp    25,000		
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						20,622
Modernize Barracks (5 EA)			SF	240,000	70.20	(16,848)
Arms Storage Facility			SF	2,675	90.00	(241)
Dining Facility			SF	17,200	161.00	(2,769)
EMCS Connection			LS	--	--	(43)
Asbestos Removal			LS	--	--	(403)
Total from Continuation page						(318)
<u>SUPPORTING FACILITIES</u>						1,078
Electric Service			LS	--	--	(81)
Paving, Walks, Curbs And Gutters			LS	--	--	(607)
Storm Drainage			LS	--	--	(68)
Site Imp( 195) Demo(      )			LS	--	--	(195)
Information Systems			LS	--	--	(127)
ESTIMATED CONTRACT COST						21,700
CONTINGENCY PERCENT (10.0%)						2,170
SUBTOTAL						23,870
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						1,432
TOTAL REQUEST						25,302
TOTAL REQUEST (ROUNDED)						25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(4)
10. Description of Proposed Construction      Modernize five barracks. Project includes living/sleeping rooms with private bath, walk-in closets, dayroom, laundry, and storage; interior utility upgrades; information systems; energy conservation measures; doors and windows; upgrade heating, ventilation, and air conditioning (HVAC) systems; exterior balconies; exterior insulated finish; and asbestos removal. Convert administrative space to living/sleeping space and convert existing dining hall to dayroom, laundry and mailroom space. Construct a standard-design dining facility and a separate consolidated arms storage building. Connect to the existing energy monitoring and control system (EMCS). Supporting facilities include parking (barracks and dining facilities), walks, storm drainage, recreational area, and site improvements. Air conditioning (586 tons) will be provided by a self-contained system.						
11. REQUIREMENT:      3,238 PN ADEQUATE:      NONE      SUBSTANDARD:      4,387 PN PROJECT:      Modernize five barracks and a dining hall to meet the Whole Barracks Renewal Program Standard. (Current Mission) REQUIREMENT:      This project is required to improve living quarters in five permanent party enlisted barracks constructed in the 1950s, upgrade living conditions, install energy conservation measures and provide needed						



1. COMPONENT	FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																														
ARMY		APRIL 1993																														
3. INSTALLATION AND LOCATION																																
Fort Knox, Kentucky																																
4. PROJECT TITLE	5. PROJECT NUMBER																															
Whole Barracks Renewal	3091																															
<u>9. COST ESTIMATES (CONTINUED)</u> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 50%;"><u>Item</u></th> <th style="text-align: center; width: 10%;"><u>U/M</u></th> <th style="text-align: center; width: 10%;"><u>QTY</u></th> <th style="text-align: center; width: 15%;"><u>Unit COST</u></th> <th style="text-align: center; width: 15%;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="5"><u>PRIMARY FACILITY (CONTINUED)</u></td> </tr> <tr> <td>Picnic Shelters</td> <td style="text-align: center;">EA</td> <td style="text-align: center;">4</td> <td style="text-align: right;">4,875</td> <td style="text-align: right;">(20)</td> </tr> <tr> <td>IDS Installation</td> <td style="text-align: center;">LS</td> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td style="text-align: right;">(10)</td> </tr> <tr> <td>Building Information Systems</td> <td style="text-align: center;">LS</td> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td style="text-align: right;">(288)</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right;">Total</td> <td style="text-align: right;">318</td> </tr> </tbody> </table>			<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>	<u>PRIMARY FACILITY (CONTINUED)</u>					Picnic Shelters	EA	4	4,875	(20)	IDS Installation	LS	--	--	(10)	Building Information Systems	LS	--	--	(288)				Total	318
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>																												
<u>PRIMARY FACILITY (CONTINUED)</u>																																
Picnic Shelters	EA	4	4,875	(20)																												
IDS Installation	LS	--	--	(10)																												
Building Information Systems	LS	--	--	(288)																												
			Total	318																												
<u>REQUIREMENT: (CONTINUED)</u> conveniences. Current Army standards require barracks concept with individual room latrines. Locating administrative space and dining facilities in separate buildings from soldiers living area will be required. Upgrade of substandard conditions will contribute to the health, welfare and morale of the service members. The maximum utilization is 840 persons.																																
<u>CURRENT SITUATION:</u> Single soldiers are housed in buildings constructed for basic trainees, with central latrines and temporary walls dividing open bay space into two-person room configurations. The current barracks provide spaces for 556 personnel. Rusted and deteriorated steel windows do not provide adequate seal and have inefficient single panes. Steel window frame seepage causes interior moisture damage. Interior electrical and lighting is insufficient for needs. Building exteriors are uninsulated painted concrete blocks. Site grading contributes to ponding and slow water drainage.																																
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, soldiers will continue to be housed in substandard facilities. Improvements in keeping with the Army's Installations of Excellence Program will not be provided and will directly affect the soldiers' morale.																																
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). This project is not affected by proposed troop reductions at Fort Knox and is required based on a validated shortage of adequate housing at Fort Knox. An economic analysis has been prepared and utilized in evaluating this project. This project is the first increment of a plan to modernize barracks at the installation. Modernization of all permanent party barracks is scheduled to be completed by 2004.																																

1. COMPONENT	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Knox, Kentucky		
4. PROJECT TITLE		5. PROJECT NUMBER
Whole Barracks Renewal		3091
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		JAN 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		100
(d) Design Complete Date.....		DEC 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		900
(b) All Other Design Costs.....		540
(c) Total Design Cost.....		1,440
(d) Contract.....		1,080
(e) In-house.....		360
(4) Construction Start..... APR 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u> Cost (\$000)
Info Sys - ISC	OPA	1994      4
		TOTAL      4

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994		MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Fort Knox Kentucky		Maintenance Facility	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
85796A	218	6895	Auth 12,200 Approp 12,200
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
			COST (\$000)
<u>PRIMARY FACILITY</u>			9,659
Vehicle Maintenance Shop	SF	67,164	(6,742)
Hardstand/Apron	SY	74,569	(2,808)
IDS Installation	LS	--	(20)
EMCS Connection	LS	--	(78)
Building Information Systems	LS	--	(11)
<u>SUPPORTING FACILITIES</u>			1,255
Electric Service	LS	--	(263)
Water, Sewer, Gas	LS	--	(176)
Paving, Walks, Curbs, And Gutter	LS	--	(189)
Storm Drainage	LS	--	(40)
Site Imp( 414) Demo( 80)	LS	--	(494)
Information Systems	LS	--	(93)
ESTIMATED CONTRACT COST			10,914
CONTINGENCY PERCENT (5.00%)			546
SUBTOTAL			11,460
SUPERVISION, INSPECTION & OVERHEAD (6.00%)			688
TOTAL REQUEST			12,148
TOTAL REQUEST (ROUNDED)			12,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS			(44)
10. Description of Proposed Construction Construct a modified standard-design vehicle maintenance shop. Project includes hardstand for organizational vehicle parking, maintenance apron, open storage, and parking. Provide space for tracked and wheeled vehicle repair bays; paint booth; welding area; tool, tire, and battery rooms; machine shop; petroleum, oils, and lubricants (POL) separator; and administration area. Connect to energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Supporting facilities include extension and connection of utilities to existing base supply system; sanitary sewer; storm drainage; paving, walks, curbs and gutters; access road; fencing; parking; fire sprinkler and alarm systems; information systems; and site improvements. Heating will be provided by a self-contained gas-fired system. Air conditioning (10 tons) will be provided in administrative areas. Mechanical ventilation: 300,000 CFM. Demolish six buildings (20,271 SF) within the footprint of this project.			
11. REQUIREMENT: 693,993 SF ADEQUATE: 209,039 SF SUBSTANDARD: 348,575 SF			
PROJECT: Construct a modified standard-design vehicle maintenance shop. (Current Mission)			

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Knox, Kentucky		
4. PROJECT TITLE	5. PROJECT NUMBER	
Maintenance Facility	6895	
<p><u>REQUIREMENT:</u> This project is required to provide the 12th Cavalry Training Regiment (formerly the 2d Armor Training Brigade) with an adequate facility to consolidate its maintenance effort. This facility will enable more efficient maintenance operations to adequately support repair and maintenance of systems currently being utilized and introduced to the US Army Armor Center, including 169 tracked vehicles and 183 wheeled vehicles.</p> <p><u>CURRENT SITUATION:</u> Currently the brigade's maintenance mission is performed in 11 temporary buildings and in part of a single permanent structure. These buildings are scattered around the post and are inadequate due to poor lighting, ventilation, sanitary, and security provisions. Spare parts are stored in a temporary building one mile from the maintenance operations. The splitting of shop functions and the movement of vehicles between the various maintenance locations causes loss of productivity, disrupts installation traffic, increases the potential of an accident, and causes damage to the road surfaces. The width and length of the existing vehicle maintenance bays are insufficient to support the M1 tank. As a result, many M1 maintenance activities require the dedication of two bays to meet the task. This results in inefficient scheduling of already limited shop facilities. Other specific M1 tasks such as the removing of the armor skirting and removal of the power pack must be conducted outside and are adversely affected by the elements. These two factors combined have resulted in 37 percent of the maintenance being conducted after normal duty hours or outside the building. There are 16 unoccupied temporary wooden structures within the footprint of the proposed project. These are beyond their useful life-span and are not economical to maintain. They need to be demolished at the start of the construction. The 11 temporary shop buildings will also be demolished, but at the end of the project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, maintenance operations for the 12th Cavalry Training Regiment will continue to be degraded. Maintenance operations will continue in inadequate facilities fragmented throughout post. Unacceptable maintenance backlogs will continue to exist and only worsen with time. Space limitations will continue to force maintenance outside and create more after duty maintenance operations to occur. Safety hazards and lost production time associated with movement of tanks and other heavy combat vehicles will continue.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not</p>		

1. COMPONENT	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Knox, Kentucky		
4. PROJECT TITLE		5. PROJECT NUMBER
Maintenance Facility		6895
ADDITIONAL:      (CONTINUED) performed.		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	NOV 1990	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	JAN 1994	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used		
Fort Campbell		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):      (\$000)		
(a) Production of Plans and Specifications.....	42	
(b) All Other Design Costs.....	758	
(c) Total Design Cost.....	800	
(d) Contract.....	700	
(e) In-house.....	100	
(4) Construction Start.....      MAR 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested      Cost (\$000)
IDS Equipment	OPA	1994      22
Info Sys - ISC	OPA	1994      22
	TOTAL	44

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Knox Kentucky				Multipurpose Training Range			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
85796A		179		22332		Auth 4,150 Approp 4,150	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							3,428
Tank Trails & Roads				SY	47,808	20.34	(972)
AMTC Emplacements				EA	4	66,790	(267)
Sta. Armor Target Emplacement				EA	20	23,686	(474)
Personnel Sta Target Emplacement				EA	48	7,896	(379)
Defilade Positions				EA	6	24,663	(148)
Total from Continuation page							(1,188)
<u>SUPPORTING FACILITIES</u>							316
Site Imp( 285) Demo( 19)				LS	--	--	(304)
Information Systems				LS	--	--	(10)
Fuel Oil Storage				LS	--	--	(2)
ESTIMATED CONTRACT COST							3,744
CONTINGENCY PERCENT (5.00%)							187
SUBTOTAL							3,931
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							236
TOTAL REQUEST							4,167
TOTAL REQUEST (ROUNDED)							4,150
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1,229)
10. Description of Proposed Construction							
Modernize and upgrade Cedar Creek Tank Range to a Multi-Purpose Training Range (MPTR) with one lane (two firing trails). Primary facilities include all construction within the perimeter of the range complex and consist of 20 stationary and four armor moving targets, 64 stationary and 10 infantry moving targets, 64 infantry hostile fire simulators, eight defilade positions, control tower, general instruction building, renovate existing operations and storage building, latrine, ammunition breakdown building, bleacher enclosure, ammunition dock, covered mess, vehicular maintenance area, vehicular staging and parking area, electrical and data distribution systems, tank trails, target maintenance roads, limit markers, flagpole, storm drainage, fire protection and site improvements. Install an intrusion detection system (IDS). Heating and air conditioning (6 tons) for control tower and computer office (2 tons) will be provided by self-contained systems. Mechanical ventilation: 2,000 CFM. Supporting facilities include all construction outside the perimeter of the range complex and consist of upgrading the primary electrical service, security lighting and fencing, parking, access road, information systems, and site improvements. Cedar Creek Tank Range is located in a flood plain with an infrequent history of flooding. Demolish five buildings (2,614 SF) within the footprint of this project with							



1. COMPONENT	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE		
ARMY		APRIL 1993		
3. INSTALLATION AND LOCATION				
Fort Knox, Kentucky				
4. PROJECT TITLE		5. PROJECT NUMBER		
Multipurpose Training Range		22332		
9. COST ESTIMATES (CONTINUED)				
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Primary & Secondary Electrical	LS	--	--	(503)
Data Distribution	LS	--	--	(271)
Limit Markers	EA	6	128.16	(1)
Control Building	SF	320	357.00	(114)
After Action Report Building	SF	800	68.75	(55)
Latrines	SF	196	178.90	(35)
Ammunition Dock	SF	1,800	27.22	(49)
Storm Drain	LS	--	--	(151)
Landscaping	LS	--	--	(2)
IDS Installation	LS	--	--	(6)
Building Information Systems	LS	--	--	(1)
			Total	1,188
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>				
asbestos removal. Dud clearance is required and will be performed by military labor with no additional cost. Targetry to be funded by Other Procurement, Army (OPA).				
11. REQUIREMENT:      4 EA ADEQUATE:      NONE      SUBSTANDARD:      NONE				
<u>PROJECT:</u> Modernize and upgrade Cedar Creek Tank Range to a Multi-Purpose Training Range (MPTR). (Current Mission)				
<u>REQUIREMENT:</u> This project is required to provide Active Army, Reserve, and National Guard units with a light/heavy armor range capable of supporting multiple realistic live-fire training scenarios, attack helicopter live-fire gunnery exercises using the established target array, and current standards of tank firing at the individual crew and section level. This project will integrate the infantry and armor target systems into a Remoted Target System (RETS) with the capability of training crews in tank firing through Tank Gunnery Evaluation Table X, Advanced Qualification Course. The net result would be the enhancement of crew skills prior to tank gunnery Table XII on the Multi-Purpose Range Complex-Heavy (MPRC-H) at the adjacent Yano Tank Range.				
<u>CURRENT SITUATION:</u> There are no facilities at Fort Knox capable of supporting current and future light/heavy armor standard tank live-fire training requirements for the M1 series tank, M2/M3 Bradley Fighting Vehicle as required except the soon-to-be completed MPRC-H at Yano Tank Range. This includes portal firing of the Bradley Fighting Vehicle. Also, there are no training facilities for attack helicopter aerial gunnery training. The need is currently being met through modified and degraded tank and aerial gunnery standards of firing on existing tank ranges. The completion of this project is not adversely impacted by force reduction in the Army. This range will support				



1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Knox, Kentucky		
4. PROJECT TITLE	5. PROJECT NUMBER	
Multipurpose Training Range	22332	
CURRENT SITUATION: (CONTINUED)		
<p>Armor Crewman Noncommissioned Officer (NCO) Advanced Course (ANCOC), Basic NCO Course (BNCOC), Scout Commander Certification Course (SCCC), Tank Commander Certification Course (TCCC), Master Gunner Course (MGC), Armor Officer Advance Course (AOAC), Armor Officer Advance Course - Reserve Component (ACOC-RC), Third Class Combined Arms Training (TCCAT), Pre-Command Course (PCC), (Armor Crewman) and Marines One Station Unit Training (OSUT).</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the present critical lack of proficiency in combat arms techniques will continue in the high priority combat units of the Active Army, Army Reserve, and National Guard units training at Fort Knox. The continuing of degraded training standards will impair the assigned training for Armor Officer, NCO and crewman training within the Armor School, and the readiness training for active duty and reserve component deployable units. These various units will continue to train with little or no hope of attaining the degree of proficiency required for combat.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	APR 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	60	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	DEC 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	207	
(b) All Other Design Costs.....	125	
(c) Total Design Cost.....	332	
(d) Contract.....	249	

1. COMPONENT  ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE  APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Knox, Kentucky					
4. PROJECT TITLE  Multipurpose Training Range				5. PROJECT NUMBER  22332	
12. SUPPLEMENTAL DATA: (Continued)					
A. Estimated Design Data: (Continued)					
(e) In-house.....					83
(4) Construction Start.....					MAY 1994 month & year
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)		
2-Range Control Sta	OPA	1994	63		
4-Arm Mov Tar Sys	OPA	1994	548		
20-THMTG	OPA	1994	90		
10-Inf Mov Tar Carr	OPA	1994	67		
64-Inf Tar Mech	OPA	1994	90		
64-Inf Hos Fire Sim	OPA	1994	175		
24-Arm Tk Kill Sim	OPA	1994	26		
74-Night Muz Fls Sim	OPA	1994	17		
74-Target 3-D	OPA	1994	2		
84-J Box Low O	OPA	1994	1		
24-Tar Instr Unit	OPA	1994	41		
Thermal Viewing Sys	OPA	1994	80		
IDS Equipment	OPA	1994	28		
Info Sys - ISC	OPA	1994	1		
TOTAL			1,229		

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION APPROPRIATION		PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Maryland		Aberdeen Proving Ground (APG)			115
	6792	Applied Instruction Facility	14,000	14,000	117
	17544	Target Assembly and Storage Facility	1,800	1,800	120
	29622	Upgrade Range Complex	4,450	4,450	124
		Subtotal For Aberdeen Proving Ground PART I	\$ 20,250	20,250	
		* TOTAL MCA FOR Maryland	\$ 20,250	20,250	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Aberdeen Proving Ground Maryland	4. COMMAND  US Army Materiel Command	5. AREA CONSTRUCTION COST INDEX  0.96

6. PERSONNEL STRENGTH:										
	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	665	1960	8329	323	2576	39	282	197	3118	17,469
B. END FY 1999	472	1679	5791	285	2132	13	28	119	2934	13,453

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	72,518 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,967,373
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	20,250
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	11,400
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	119,600
G. REMAINING DEFICIENCY.....	34,008
H. GRAND TOTAL.....	2,152,631

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY	PROJECT		COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000)	START COMPLETE
171	6792	Applied Instruction Facility	14,000	09/1990 10/1993
310	17544	Target Assembly and Storage Facility	1,800	08/1988 05/1993
371	29622	Upgrade Range Complex	4,450	04/1992 08/1993
TOTAL			20,250	

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
317	Secure Computational Analysis Laboratory	11,400
TOTAL		11,400
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):		
216	Ammunition Demilitarization Fac Ph I	111,000
216	Ammunition Demilitarization Support	8,600
TOTAL		119,600

10. MISSION OR MAJOR FUNCTIONS:
The Aberdeen Area of Aberdeen Proving Ground serves as the location of the installation headquarters. The focus of major missions undertaken at the installation include basic research, testing and evaluation of ordnance and

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Aberdeen Proving Ground      Maryland										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) equipment, and the training of military personnel in supply and maintenance of ordnance and equipment. The Edgewood Area of Aberdeen Proving Ground provides research and development in the chemical, biological, and radiological areas.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="215 548 816 631"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Aberdeen Proving Ground Maryland</b>			4. PROJECT TITLE <b>Applied Instruction Facility</b>		
5. PROGRAM ELEMENT <b>85796A</b>	6. CATEGORY CODE <b>171</b>	7. PROJECT NUMBER <b>6792</b>	8. PROJECT COST (\$000) Auth <b>14,000</b> Approp <b>14,000</b>		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					<b>11,335</b>
Ground Support Equip. Bldg		SF	108,250	97.00	(10,500)
Hardstand Paving		SY	1,500	52.23	(78)
Street Realignment		LS	--	--	(659)
Building Information Systems		LS	--	--	(98)
<u>SUPPORTING FACILITIES</u>					<b>1,202</b>
Electric Service		LS	--	--	(79)
Water, Sewer, & Gas		LS	--	--	(76)
Paving, Walks, Curbs & Gutters		LS	--	--	(311)
Storm Drainage		LS	--	--	(270)
Site Imp( 412) Demo( )		LS	--	--	(412)
Information Systems		LS	--	--	(54)
ESTIMATED CONTRACT COST					<b>12,537</b>
CONTINGENCY PERCENT (5.00%)					<b>627</b>
SUBTOTAL					<b>13,164</b>
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					<b>790</b>
TOTAL REQUEST					<b>13,954</b>
TOTAL REQUEST (ROUNDED)					<b>14,000</b>
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					<b>(24)</b>
10. Description of Proposed Construction      Construct a general instruction training facility containing applied instruction shops and bays, training labs, secure hardstand training area, classrooms, administrative offices, instructors' preparation area, break area, lockers, tool and supply rooms, fire protection system, water recycle system, drainage with oil separation, hand and eye wash stations, variable lighting systems, vehicle exhaust systems, sound control and steam cleaning area. Supporting facilities include utilities, multi-phase electric service with grounding devices, fencing, fire protection and alarm systems, paving, walks, curbs and gutters, storm drainage, information systems, and site improvements. Heating and air conditioning (250 tons) will be provided by self-contained systems. Access for the handicapped will be provided in administration and classroom areas.					
11. REQUIREMENT: 1,730,912 SF ADEQUATE: 845,273 SF SUBSTANDARD: 48,281 SF					
PROJECT: Construct a general instruction facility with applied instructional shops and bays. (Current Mission)					
REQUIREMENT: This project is required to provide a consolidated training facility for basic and advanced courses on all quartermaster and chemical equipment. Sixty percent of the useable space in the facility is required for					

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE  Applied Instruction Facility	5. PROJECT NUMBER  6792	
<p><u>REQUIREMENT:</u> (CONTINUED) shop bays and laboratories where hands-on training will be conducted. This project will support the average daily student load of 298 students and 61 instructors and staff personnel, requiring 11 classrooms at a total of 11,100 net square feet (13,403 Gross).</p> <p><u>CURRENT SITUATION:</u> Quartermaster and chemical equipment training is conducted in converted World War II company supply and shop buildings. Training is conducted for US Army Advanced Individual Training (AIT) students, Officer Basic and Advanced Courses, Warrant Officer Candidate and Warrant Officer Advanced courses, and all Non-Commissioned Officer (NCO) Professional Development courses. Lack of adequate space is the primary concern. The Erdlator (3,000 gallon per hour water purification unit) and the Reverse Osmosis Water Purification Unit (ROWPU) are both used for training and stored in the nearby fenced-in parking lot due to the lack of shop bay area. Inclement weather hampers training. The areas designated for training on the 400,000 BTU heaters, small engines, and smoke generators are overcrowded, creating safety hazards. Proper operational training and testing of smoke generators; chemical decontamination units; laundry and bath units; space heaters; and petroleum, oils and lubricants (POL) pump equipment is hindered by inadequate water supplies and drainage, environmental controls, and fire and safety provisions. This is due to proximity to the Aberdeen Proving Ground (APG) community center. Space constraints limit equipment in bays, causing much higher than optimum student-to-equipment ratios. Typical classrooms can hold only 19 students, compared with the average class size of 20 to 30 students for professional development courses. To alleviate overcrowding, office space has been converted to classrooms. When possible, double shifts are used to reduce class sizes, though there are no personnel authorizations to support the increased instructor requirements for double shift operations.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, training will continue to be conducted in two shifts, in overcrowded, substandard and marginally safe facilities. Technical training on new, larger equipment will add to the overcrowding, and expanding programs for the steam cleaner, new laundry and bath units, the M17 decontamination apparatus, the 1059 smoke generator system, and the field bakery unit will be constrained. Because the professional development courses for higher ranking students share the current facilities, expansion of the existing Basic Non-commissioned Officer Course (BNCOC) and the Advanced Non-Commissioned Officer Course (ANCOC) quartermaster/chemical training will slow substantially. Ultimately, it will have a severe impact and adversely affect the Nuclear, Biological and Chemical readiness posture within the force structure. Outdoor training of major end items of quartermaster/chemical equipment is not as effective during weather extremes. In the summer, temperature extremes cost these courses about 200 hours of programmed training time.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism</p>		



1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE  Applied Instruction Facility		5. PROJECT NUMBER  6792

ADDITIONAL: (CONTINUED)

(CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	SEP 1990
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100
(d) Design Complete Date.....	OCT 1993

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N

(b) Where Design Was Most Recently Used

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	700
(b) All Other Design Costs.....	270
(c) Total Design Cost.....	970
(d) Contract.....	770
(e) In-house.....	200

(4) Construction Start..... JAN 1994  
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Info Sys - ISC	OPA	1994	24
		TOTAL	24

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Aberdeen Proving Ground Maryland				Target Assembly and Storage Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
65601A		310		17544		Auth 1,800 Approp 1,800	
9. COST ESTIMATES							
ITEM				U/H	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							1,450
Target Assembly Building				SF	12,200	114.85	(1,401)
IDS Installation				LS	--	--	(7)
Building Information Systems				LS	--	--	(42)
<u>SUPPORTING FACILITIES</u>							189
Electric Service				LS	--	--	(56)
Water, Sewer, Gas				LS	--	--	(67)
Paving, Walks, Curbs, And Gutter				LS	--	--	(33)
Storm Drainage				LS	--	--	(7)
Site Imp( 15) Demo( )				LS	--	--	(15)
Information Systems				LS	--	--	(11)
ESTIMATED CONTRACT COST							1,639
CONTINGENCY PERCENT (5.00%)							82
SUBTOTAL							1,721
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							103
TOTAL REQUEST							1,824
TOTAL REQUEST (ROUNDED)							1,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(77)
10. Description of Proposed Construction Construct a compartmentalized secure target assembly and storage facility to include a machine shop, target assembly, fabrication and welding area, mechanical equipment room, fire protection system, and support areas with storage and administrative spaces. Provide frequent air changes and high efficiency particulate air filtration for machine shop and assembly, fabrication and welding area. Install an intrusion detection system (IDS). Supporting facilities include utilities, electric service, exterior lighting, loading dock, water storage tank, security fencing with entry control points, roads, paving, fuel storage, storm drainage, information systems, and site improvements. Access for the handicapped will be provided. Heating will be provided by a self-contained oil-fired unit. Air conditioning: 60 tons.							
11. REQUIREMENT: 12,200 SF ADEQUATE: NONE SUBSTANDARD: 9,793 SF							
PROJECT: Construct a compartmentalized secure target assembly and storage facility. (Current Mission)							
REQUIREMENT: This project is urgently required to provide adequate, secure, safe facilities for the fabrication, assembly, and storage of classified advanced armored targets. Materiel utilized in targets requires special							

1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		APRIL 1993	
Aberdeen Proving Ground, Maryland			
4. PROJECT TITLE		5. PROJECT NUMBER	
Target Assembly and Storage Facility		17544	
<p><b>REQUIREMENT:</b> (CONTINUED)</p> <p>precautions, procedures and support equipment during machining, fabrication and assembly to meet safety and environmental requirements. Targets, materials, and technique are classified and require secure facilities. Assembly and storage facility must be close to a firing range for test purposes and must provide for safe and secure storage, evaluation and assessment of targets after tests. Rapid advances in armor technology make this facility a continued necessity.</p> <p><b>CURRENT SITUATION:</b> Existing target assembly facilities are housed in four separate buildings. Two prefabricated buildings are used for normal duty hour component assembly. An earthen bunker provides temporary visual shielding of completed target assemblies and a small block building, which has been upgraded, is intended for overnight storage of special access (SAP) targets. The advent of depleted uranium armor for Army combat vehicles has expanded the Armored Systems Modernization (ASM) Plan testing efforts to include integration of the depleted uranium with other technologies such as glass and ceramics. The two prefabricated buildings and the bunker cannot be used for this purpose because of safety and environmental protection considerations. This leaves the small block building as the only facility in which these activities can take place. The small size of this building prohibits the meeting of ASM milestones. For instance, the area is not large enough to accept a full M1 turret nor the frontal armor sections of the new Block III tank. In addition, since all targets are fired at with rounds made of depleted uranium, they become contaminated and must be returned to this one undersized building for disassembly and analysis. Attempting to accomplish all these activities simultaneously in the space-restricted block building poses undue health, safety, environmental, and scheduling problems. Further, lack of storage and the need to transport the other test materials between various buildings risks exposure of classified material. On several occasions, operations had to be stopped to correct Class 2 environmental violations. The facility was shutdown between 13-19 November 1991 in order to decontaminate the walls, floors, and other surfaces of the block building to acceptable levels for the personnel. From 5-8 May 1991, operations were curtailed while personnel decontaminated and contained surface soil. Both of these incidents could have been avoided in a facility which can properly isolate these activities and by having appropriate ventilation and filtration. None of these four buildings can be effectively modified to meet these requirements.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, ASM program milestones for armor development cannot be met. The Ballistic Research Laboratory (BRL) is the only government organization cleared to conduct "need-to-know" only R&amp;D on depleted uranium armor. All M1A1 heavy armor technologies were developed at the BRL under minimum health, safety, and environmental requirements. These scattered facilities continue to be shut down as additional health, safety, and environmental issues surface and remain shut down until corrective action is taken. The BRL's R&amp;D efforts for the ASM</p>			

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE	5. PROJECT NUMBER	
Target Assembly and Storage Facility	17544	
<p><u>IMPACT IF NOT PROVIDED: (CONTINUED)</u></p> <p>Plan require the consolidation of scattered facilities operating within a well-designed, integrated facility.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	AUG 1988	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	MAY 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	90	
(b) All Other Design Costs.....	55	
(c) Total Design Cost.....	145	
(d) Contract.....	100	
(e) In-house.....	45	
(4) Construction Start..... DEC 1993		
month & year		

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Aberdeen Proving Ground, Maryland			
4. PROJECT TITLE		5. PROJECT NUMBER	
Target Assembly and Storage Facility		17544	
12. SUPPLEMENTAL DATA: (CONTINUED)			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
IDS Equipment	RDT&E	1995	14
User Equip	RDT&E	1995	12
Info Sys - ISC	OPA	1995	9
Info Sys - PROP	OPA	1995	42
		TOTAL	77

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Aberdeen Proving Ground Maryland				Upgrade Range Complex			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
65601A		371		29622		Auth 4,450 Approp 4,450	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							3,492
Range Complex				LS	--	--	(3,335)
IDS Installation				LS	--	--	(55)
Building Information Systems				LS	--	--	(102)
<u>SUPPORTING FACILITIES</u>							509
Electric Service				LS	--	--	(268)
Site Imp( ) Demo( 5)				LS	--	--	(5)
Information Systems				LS	--	--	(236)
ESTIMATED CONTRACT COST							4,001
CONTINGENCY PERCENT (5.00%)							200
SUBTOTAL							4,201
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							252
TOTAL REQUEST							4,453
TOTAL REQUEST (ROUNDED)							4,450
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1,396)
10. Description of Proposed Construction							
Modernize a live-fire vulnerability range complex. Primary facilities include all construction within the perimeter of the range complex and consist of a secure, sheltered range support building, uploaded vehicle storage building, two ammunition storage igloos, fire suppression deluge system, all-weather range access roads, paving, storm drainage, parking, environmental pads to contain fuel and lubricant spills, security fencing and lighting, and site improvements including dud clearance. Features include upgrading seven existing test positions; installing an intrusion detection system (IDS); providing a range support building with an overhead crane; protecting parking areas from test blast and fragmentation; providing an alarmed arms storage room, tool storage, security surveillance area, and break and latrine facilities. Heating will be provided by an oil-fired self-contained system. Air conditioning (25 tons) will be provided by a self-contained unit. Supporting facilities include facilities outside the range complex perimeter and consist of electric service, information systems, and site improvements. Demolish one building (1,080 SF) within the footprint. Targetry will be funded by Research, Development, Testing and Evaluation (RDT&E).							



1. COMPONENT		2. DATE
ARMY FY 1994 MILITARY CONSTRUCTION PROJECT DATA		APRIL 1993
3. INSTALLATION AND LOCATION		
Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE		5. PROJECT NUMBER
Upgrade Range Complex		29622
<p><b>11. REQUIREMENT:</b> 1 EA ADEQUATE: NONE SUBSTANDARD: 1 EA</p> <p><b>PROJECT:</b> Modernize a live-fire vulnerability range complex. (Current Mission)</p> <p><b>REQUIREMENT:</b> This project is required to support live-fire vulnerability and survivability testing and evaluation of major combat systems and related components prior to full production as mandated by Public Law 99-661. Previous vulnerability testing on combat vehicles evaluated only the ability of the armor to meet specifications. Live-fire testing provides critical data by subjecting weapons systems to realistic enemy threats. Testing evaluates battlefield survivability and considers all issues such as crew casualties, fire, ballistic shock, and battlefield damage repair. These issues affect every aspect of system vulnerability including fire control, armor integrity, mobility, logistics supportability, and maintenance. Additionally, the changes in the design of combat systems resulting from live-fire testing must be re-tested. Consequently, range improvements are required to permit such testing to be conducted properly, in an efficient, environmentally acceptable and timely manner, while minimizing post-test losses (e.g., from fire or secondary explosions) to costly items under test.</p> <p><b>CURRENT SITUATION:</b> Live fire vulnerability and survivability testing has been conducted at Aberdeen Proving Ground since 1987 as a result of the Congressional mandate. The initial program to undergo this testing was the M2 Bradley Fighting Vehicle. Currently testing is being conducted on the Paladin, HOMS, and M830E. Scheduled tests include the M1A2, Search and Destroy Armor Munition (SADARM), and Armored Gun Systems. The Poverty Island range complex consists of seven separate test positions connected by gravel roadways. Electrical service is inadequate throughout the complex, and portable generators and lighting are routinely used to support test programs. Instrumentation, storage, and office support functions are housed in makeshift shacks and mobile trailers and are shielded from blast and fragmentation by makeshift shielding. Ammunition and small arms are stored at remote sites and must be kept temporarily in a holding box monitored by a security guard. Fire suppression systems exist at only two of the seven test positions and consist of water storage tanks supplied by truck. Lack of facilities do not allow full time security surveillance or control to be maintained within the complex.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the Army will not be able to keep pace with the live-fire vulnerability and survivability test workload mandated by Congress nor provide the broad spectrum of complex tests required to support the expanding test mission. Delays in testing and inability to obtain certain test data or to extinguish test fires will have adverse impacts on systems milestones or result in the loss of millions of dollars of test assets. Additionally, live-fire vulnerability results will not be available to support strategies to ensure battlefield sustainability.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design</p>		



1. COMPONENT  ARMY	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE  Upgrade Range Complex		5. PROJECT NUMBER  29622
<p>ADDITIONAL: (CONTINUED)</p> <p>criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	APR 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	AUG 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	216	
(b) All Other Design Costs.....	664	
(c) Total Design Cost.....	880	
(d) Contract.....	361	
(e) In-house.....	519	
(4) Construction Start..... JUN 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u> Cost (\$000)
IDS Equipment	OPA	1994    122
Ballistic	RDT&E	1994    900
Cmd & Cntr	RDT&E	1994    262
Cabling	RDT&E	1994    20
Info Sys - ISC	OPA	1994    92
TOTAL		1,396

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Missouri		Fort Leonard Wood (TRADOC)			129
	13576	Operations Facility	1,000	1,000	131
		Subtotal For Fort Leonard Wood PART I	\$ 1,000	1,000	
		* TOTAL MCA FOR Missouri	\$ 1,000	1,000	

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1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Leonard Wood Missouri	4. COMMAND  US Army Training and Doctrine Command		5. AREA CONSTRUCTION COST INDEX  0.96	

6. PERSONNEL STRENGTH:												
PERMANENT				STUDENTS				SUPPORTED				
	OFFICER		ENLIST		CIVIL		OFFICER		ENLIST		CIVIL	
A. AS OF 30 SEP 1992	733	4967	2150	541	9298	98	17	57	2796	20,657		
B. END FY 1999	597	3800	2134	402	9063	0	13	20	2796	18,825		

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	62,911 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,458,388
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	1,000
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	23,550
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	25,000
H. GRAND TOTAL.....	1,507,938

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY PROJECT				COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE		(\$000)	START COMPLETE
141	13576	Operations Facility		1,000	03/1992 09/1993
TOTAL				1,000	

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
826	Air Condition Barracks	9,100
179	Military Operations in Urbanized Terrain	9,800
216	Ammunition Operations Facility	1,600
179	Engineer Qualification Range	3,050
TOTAL		23,550
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:
Provides support and facilities for a US Army Training Center, US Army Engineer School, US Army Reception Station, Noncommissioned Officer Academy/Drill Sergeant School, US Army Hospital, major combat and combat support forces and other tenant activities. Supports Reserve Components and other satellited activities and units.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Leonard Wood                      Missouri										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Leonard Wood Missouri</b>			4. PROJECT TITLE <b>Operations Facility</b>		
5. PROGRAM ELEMENT <b>91520A</b>	6. CATEGORY CODE <b>141</b>	7. PROJECT NUMBER <b>13576</b>	8. PROJECT COST (\$000) Auth      1,000 Approp    1,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					<b>725</b>
CIDC Building		SF	6,403	103.96	(666)
IDS Installation		LS	--	--	(1)
Building Information Systems		LS	--	--	(58)
<b>SUPPORTING FACILITIES</b>					<b>177</b>
Electric Service		LS	--	--	(48)
Water, Sewer, Gas		LS	--	--	(7)
Paving, Walks, Curbs And Gutters		LS	--	--	(50)
Storm Drainage		LS	--	--	(5)
Site Imp(    50) Demo(       )		LS	--	--	(50)
Information Systems		LS	--	--	(17)
ESTIMATED CONTRACT COST					902
CONTINGENCY PERCENT (5.00%)					45
SUBTOTAL					947
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					57
TOTAL REQUEST					1,004
TOTAL REQUEST (ROUNDED)					1,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(50)
10. Description of Proposed Construction      Construct a modified standard-design Criminal Investigations Division Command (CIDC) field operations building. Work includes administrative space; a polygraph suite; secured evidence repository; suspect isolation areas; duty agent suite; observation and interview areas; photo identification and fingerprint room; issue supply area; property and supply storage; and maintenance areas. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; exterior lighting; sprinkler, fire protection and alarm systems; paving, walks, curbs and gutters; fencing; storm drainage; storm sewer outfall line; information systems; and site improvements. Access for the handicapped will be provided. Heating and air conditioning (10 tons) will be provided by self-contained systems.					
11. REQUIREMENT:      6,403 SF ADEQUATE:      NONE      SUBSTANDARD:      12,604 SF					
PROJECT:      Construct a modified standard-design CIDC specialized field operations building. (Current Mission)					
REQUIREMENT:      This project is required to provide adequate operating facilities, under one roof, for the 11 personnel in a field office of the US Army Criminal Investigation Command. This organization requires a facility					

1. COMPONENT		2. DATE
ARMY FY 1994 MILITARY CONSTRUCTION PROJECT DATA		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Leonard Wood, Missouri		
4. PROJECT TITLE		5. PROJECT NUMBER
Operations Facility		13576
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>with special purpose space, such as a polygraph room and an evidence depository, to perform its mission. No facilities on or off the installation can properly satisfy the requirement, and the currently-used buildings need to be scheduled for demolition.</p> <p><u>CURRENT SITUATION:</u> The Fort Leonard Wood Resident Agency, US Army CIDC (USACIDC), a separate tenant activity, currently occupies two semi-permanent mobilization-type buildings and an 800 SF ammunition bunker. The facilities are in advanced deterioration, and operation and maintenance are costly. The lack of adequate, suitable space for a polygraph suite, evidence room, and interview and observation areas required for CIDC operations has an increasingly detrimental impact on the criminal investigations mission. During the winter, the building is cold and drafty, and the water pipes are subject to freezing. The electrical wiring needs total replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the two buildings housing CIDC will continue to deteriorate. Investigations will not be completed in a timely manner. Agents will be required to spend extra time insuring proper separation of victims, witnesses, and suspects. The probability of potential witnesses being identified will continue and will increase the likelihood that vital information will be withheld because confidentiality cannot be assured. Operational efficiency will continue to suffer because major activities are located where space permits rather than where functional responsibilities direct. Extra time will be necessary to eliminate environmental factors on polygraph results. Present conditions will continue to create poor morale, decrease productivity, and hamper the criminal investigative mission.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	MAR 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	SEP 1993	

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Leonard Wood, Missouri		
4. PROJECT TITLE		5. PROJECT NUMBER
Operations Facility		13576
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		50
(b) All Other Design Costs.....		30
(c) Total Design Cost.....		80
(d) Contract.....		60
(e) In-house.....		20
(4) Construction Start..... JAN 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested
		Cost (\$000)
IDS Equipment	OPA	1993 39
Info Sys - ISC	OPA	1994 11
		TOTAL 50



DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Nevada		Hawthorne Army Ammunition Plant (AMC)			137
	40708	Container Holding Pads	7,000	7,000	139
		Subtotal For Hawthorne Army Ammunition Plant PART I	\$ 7,000	7,000	
		* TOTAL MCA FOR Nevada	\$ 7,000	7,000	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Hawthorne Army Ammunition Plant Nevada	4. COMMAND  US Army Materiel Command				5. AREA CONSTRUCTION COST INDEX  1.17

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED						
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL		
A. AS OF 30 SEP 1992	3	0	32	0	0	0	1	3	766
B. END FY 1999	3	0	48	0	0	0	1	3	823

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	144,831 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,907,909
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	7,000
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	3,404
H. GRAND TOTAL.....	1,918,313

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY	PROJECT	TITLE	COST	DESIGN STATUS
	CODE	NUMBER	(\$000)	START COMPLETE
	425	40708	Container Holding Pads	7,000 10/1992 12/1993
TOTAL			7,000	

9. FUTURE PROJECTS:		
CATEGORY	PROJECT TITLE	COST
	CODE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM: NONE		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:	
To receive, issue, store, renovate, inspect, test, demilitarize and dispose of single manager and non-single manager conventional ammunition. To maintain capability to load, assemble, and pack ammunition items. To produce selected ammunition items as assigned. To maintain the capability to accommodate the receipt and shipment of containerized cargo.	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	
	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Hawthorne Army Ammunition Plant Nevada				Container Holding Pads			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
72896A		425		40708		Auth 7,000 Approv 7,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>							4,408
Conc. Loading/Unloading Pad (3)				SY	16,668	43.38	(723)
Support Building (3)				SF	5,397	71.25	(385)
Block & Brace Shop (3)				SF	4,500	67.87	(305)
Covered Loading Dock (3)				SF	2,880	50.00	(144)
Covered Lumber Storage (3)				SF	4,500	39.40	(177)
Total from Continuation page							(2,674)
<b>SUPPORTING FACILITIES</b>							1,920
Electric Service				LS	--	--	(233)
Water, Sewer, Gas				LS	--	--	(323)
Paving, Walks, Curbs And Gutters				LS	--	--	(729)
Storm Drainage				LS	--	--	(113)
Site Imp( 456) Demo( )				LS	--	--	(456)
Information Systems				LS	--	--	(66)
<b>ESTIMATED CONTRACT COST</b>							6,328
<b>CONTINGENCY PERCENT (5.00%)</b>							316
<b>SUBTOTAL</b>							6,644
<b>SUPERVISION, INSPECTION &amp; OVERHEAD (6.00%)</b>							399
<b>TOTAL REQUEST</b>							7,043
<b>TOTAL REQUEST (ROUNDED)</b>							7,000
<b>INSTALLED EQUIPMENT-OTHER APPROPRIATIONS</b>							(0)
10. Description of Proposed Construction Construct three ammunition containerization sites. Each facility will provide a loading/unloading pad with road and rail access, pad lighting for 24-hour operations, two container storage areas, and a combined administrative and block and bracing shop facility. Supporting facilities include utilities; electric service; fire and lightning protection, and alarm systems; two rail siding spurs for each facility; paving, access roads, and parking; latrine facilities with septic fields; security fencing and lighting; information systems; and site improvements. Heating will be provided by self-contained oil-fired system. Supporting facility costs are high due to the remote location.							
11. REQUIREMENT: 16,668 SY ADEQUATE: NONE SUBSTANDARD: NONE							
PROJECT: Construct three facilities for packing, handling and shipping ammunition Military-Owned Demountable Containers (MILVAN). (Current Mission)							
REQUIREMENT: This project is required to provide an adequate capability to receive, handle, load/unload, and ship very large quantities of munitions in MILVAN containers in a safe, efficient, and timely manner. Weights of loaded containers and the heavy-duty material handling equipment required to move, load/unload such bulky items mandate a reinforced pavement to ensure all-							

1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		APRIL 1993	
Hawthorne Army Ammunition Plant, Nevada			
4. PROJECT TITLE		5. PROJECT NUMBER	
Container Holding Pads		40708	
9. COST ESTIMATES (CONTINUED)			
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit Cost</u> <u>(\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>			
Rail Spur/R.R. Tracks (3)	LF	13,320	125.37 (1,670)
Lightning Protection	EA	96	3,397 (326)
Exterior/Security Lighting	EA	210	3,195 (671)
Building Information Systems	LS	--	-- (7)
		Total	2,674
<u>REQUIREMENT: (CONTINUED)</u>			
<p>weather sustained operations. Wide dispersal of ammunition stocks among 2,200 igloos over 105,000 acres, and quantity-distance explosive safety limitations, mandate three separated sites to constrain haul distances and limit explosive quantities at any single site. Extensive munitions quantities involved and limitations of the regional transportation net require both rail and road access from each site.</p>			
<p><u>CURRENT SITUATION:</u> Hawthorne Army Ammunition Plant (AAP) does not have an established facility for loading, handling, shipping or receiving ammunition stocks in MILVAN containers. The storage and shipping operations, which have been stressed with the recent consolidation of ammunition stocks from other depots and the retrograde from Desert Storm, involve a constant stream of heavy trucks loaded with munitions items, a fleet of small forklifts transferring pallets of munitions to or from MILVAN containers, and large heavy-duty forklifts shifting loaded (25-tons) and unloaded MILVANS between holding areas, loading positions, and shipping locations. All of these in operation quickly destroy any unprepared or lightly-paved surface and generate clouds of dust. Temporary unprepared holding areas have been utilized near existing loading docks and at various isolated areas in order to store MILVANS. These sites have no lighting for 24-hour operations, no prepared or stabilized surface, lack security measures, and provide no lightning or fire protection. These conditions require additional care, safety precautions and efforts that impede activities and prohibit timely and efficient operations. All necessary material handling equipment to support these three facilities is on hand and available for use.</p>			
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the capability of this major ammunition storage site to rapidly load and ship MILVAN containers with required ammunition quantities will continue to be significantly impaired. Delays to shipments of containerized munitions will curtail abilities to provide timely and adequate support to rapid deployment elements. The quick reaction time that allowed the major allied logistics buildup during Desert Shield is widely credited as having critical impact on the outcome of Desert Storm, so that it is unlikely we will be allowed as much time to move required munitions stocks in any future confrontation.</p>			

1. COMPONENT <b>ARMY</b>	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION <b>Hawthorne Army Ammunition Plant, Nevada</b>		
4. PROJECT TITLE <b>Container Holding Pads</b>		5. PROJECT NUMBER <b>40708</b>
<p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not performed.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>OCT 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	<u>35</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	<u>85</u>	
(d) Design Complete Date.....	<u>DEC 1993</u>	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	<u>290</u>	
(b) All Other Design Costs.....	<u>155</u>	
(c) Total Design Cost.....	<u>445</u>	
(d) Contract.....	<u>320</u>	
(e) In-house.....	<u>125</u>	
(4) Construction Start..... <u>JUN 1994</u>		
month & year		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant, Nevada		
4. PROJECT TITLE Container Holding Pads		5. PROJECT NUMBER 40708
12. <u>SUPPLEMENTAL DATA:</u> (CONTINUED) B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Cost <u>Or Requested</u> (\$000)
	None	

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	
New Jersey		Fort Monmouth (AMC)			145
	2836	Satellite Control System Addition	7,500	7,500	147
		Subtotal For Fort Monmouth PART I	\$ 7,500	7,500	
		* TOTAL MCA FOR New Jersey	\$ 7,500	7,500	



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Port Monmouth New Jersey		4. COMMAND  US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX  1.13	

6. PERSONNEL STRENGTH:										
PERMANENT			STUDENTS			SUPPORTED				
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	647	1471	7731	99	343	35	33	21	161	10,541
B. END FY 1999	465	1176	4734	102	336	0	92	28	1202	8,135

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	637 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	402,298
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	7,500
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	2,700
H. GRAND TOTAL.....	412,498

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:			
CATEGORY PROJECT		COST	DESIGN STATUS
CODE	NUMBER PROJECT TITLE	(\$000)	START COMPLETE
317	2836 Satellite Control System Addition	7,500	09/1985 10/1993
TOTAL		7,500	

9. FUTURE PROJECTS:	
CATEGORY	COST
CODE PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM: NONE	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE	

10. MISSION OR MAJOR FUNCTIONS:	
Provides support and facilities for US Army Communications Electronics Command and its tenants.	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	
	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
ARMY					APRIL 1993	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
Fort Monmouth New Jersey			Satellite Control System Addition			
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
72896A		317	2836	Auth 7,500 Approp 7,500		
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITY</b>						
Satellite Control Sys Test Fac		SF	22,096	269.77	6,273	
IDS Installation		LS	--	--	(5,961)	
Special Pile Foundation		LS	--	--	(102)	
Building Information Systems		LS	--	--	(93)	
		LS	--	--	(117)	
<b>SUPPORTING FACILITIES</b>					469	
Electric Service		LS	--	--	(336)	
Water, Sewer, Gas		LS	--	--	(47)	
Paving, Walks, Curbs, And Gutter		LS	--	--	(47)	
Storm Drainage		LS	--	--	(8)	
Site Imp( 11) Demo( )		LS	--	--	(11)	
Information Systems		LS	--	--	(20)	
<b>ESTIMATED CONTRACT COST</b>					6,742	
<b>CONTINGENCY PERCENT (5.00%)</b>					337	
<b>SUBTOTAL</b>					7,079	
<b>SUPERVISION, INSPECTION &amp; OVERHEAD (6.00%)</b>					425	
<b>TOTAL REQUEST</b>					7,504	
<b>TOTAL REQUEST (ROUNDED)</b>					7,500	
<b>INSTALLED EQUIPMENT-OTHER APPROPRIATIONS</b>					(171)	
10. Description of Proposed Construction Construct an addition to the Satellite Control System Test Facility, with space for test and control equipment, operations, engineering, and technician training. Project includes elevator, fire protection, alarm and security systems. Provide equipment, raised floor and air conditioning. Special pile foundation is required. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; storm drainage; fencing; information systems; and site improvements. Heating (gas-fired) and air conditioning (200 tons) will be provided by self-contained units. Access for the handicapped will be provided. Addition will be located in a flood plain, but must be adjacent to existing equipment and antennas; mitigating measures include construction of ground floor above the 100-year flood plain.						
11. REQUIREMENT: 29,296 SF ADEQUATE: 7,200 SF SUBSTANDARD: NONE						
PROJECT: Construct an addition to the Satellite Control System Test Facility. (Current Mission)						

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Monmouth, New Jersey		
4. PROJECT TITLE  Satellite Control System Addition	5. PROJECT NUMBER  2836	
<p><u>REQUIREMENT:</u> This project is required to provide an appropriately positioned, environmentally controlled, electromagnetically shielded facility for development, testing, evaluation, and simulation of satellite communications devices supporting the Communications Electronics Command (CECOM), Army Materiel Command (AMC), and training of Defense Information Systems Agency (DISA) support personnel charged with development, operations, and maintenance of the satellite communication systems. The facility is required to be adjacent to the existing satellite transmission and reception antennas and equipment due to limits in the current transmission cabling technology.</p> <p><u>CURRENT SITUATION:</u> The existing Satellite Control System Test Facility is a temporary and relocatable structure that is too small to accommodate the equipment, operations, and personnel necessary for the mission. Army regulations allow use of relocatable facilities only if and while Military Construction (MILCON) funding is being sought. Millions of dollars of high-tech, state-of-the-art satellite control equipment is housed in a relatively unsecure building. Further, this temporary facility was provided as an emergency in 1989 and is only sized to house the basic control equipment. As a result, specialized equipment items are shuttled in and out of the facility as necessary to support immediate priority operations or training with frequent and costly delays while equipment is switched, moved, or recalibrated. Additional space for support personnel, spare part storage, control systems computer tape storage, and common usage instructional areas does not exist.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, lack of an integrated, comprehensive testing and simulation facility will result in the fielding and use of untested satellite control devices and software against orbiting satellites, with the associated risk that an undiscovered hardware or software flaw could cause significant, possibly even irreparable damage to a valuable satellite. Potential losses from damages or reduction in useful life of a single satellite could easily exceed costs of this facility.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		



DEPARTMENT OF THE ARMY  
 FISCAL YEAR 1994  
 MILITARY CONSTRUCTION (PART I)  
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
New Mexico		White Sands Missile Range (AMC)			153
	41204	Target Track	2,900	2,900	155
		Subtotal For White Sands Missile Range PART I	\$ 2,900	2,900	
		* TOTAL MCA FOR New Mexico	\$ 2,900	2,900	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993																																												
3. INSTALLATION AND LOCATION  White Sands Missile Range New Mexico	4. COMMAND  US Army Materiel Command	5. AREA CONSTRUCTION COST INDEX  1.10																																												
6. PERSONNEL STRENGTH: <table style="width: 100%; border: none;"> <tr> <th></th> <th colspan="3">PERMANENT</th> <th colspan="3">STUDENTS</th> <th colspan="3">SUPPORTED</th> <th></th> </tr> <tr> <th></th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>TOTAL</th> </tr> <tr> <td>A. AS OF 30 SEP 1992</td> <td>146</td> <td>744</td> <td>3111</td> <td>0</td> <td>0</td> <td>0</td> <td>17</td> <td>85</td> <td>2784</td> <td>6,887</td> </tr> <tr> <td>B. END FY 1999</td> <td>104</td> <td>444</td> <td>2695</td> <td>0</td> <td>0</td> <td>0</td> <td>17</td> <td>86</td> <td>2774</td> <td>6,120</td> </tr> </table>				PERMANENT			STUDENTS			SUPPORTED					OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL	A. AS OF 30 SEP 1992	146	744	3111	0	0	0	17	85	2784	6,887	B. END FY 1999	104	444	2695	0	0	0	17	86	2774	6,120
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TOTAL		10,800																																												
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE																																														
10. MISSION OR MAJOR FUNCTIONS: <p>A National Range performing test and evaluation of missile and rocket systems and related material. Provides specialized technical support for all range users, including Army, Navy, Air Force and systems contractors.</p>																																														
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td>(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td>0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0																																								
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1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993						
INSTALLATION AND LOCATION: White Sands Missile Range      New Mexico								
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUED)</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
White Sands Missile Range New Mexico				Target Track			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
72896A		390		41204		Auth 2,900 Approp 2,900	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							2,599
Improve Target Track				SY	324,440	4.21	(1,368)
Modify Target Track				SY	20,134	17.00	(342)
Clearing 8 miles				SY	130,944	5.60	(733)
Roads to Optical Sites (6)				LS	--	--	(136)
Optical Site (6)				LS	--	--	(20)
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							2,599
CONTINGENCY PERCENT (5.00%)							130
SUBTOTAL							2,729
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							164
TOTAL REQUEST							2,893
TOTAL REQUEST (ROUNDED)							2,900
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Upgrade an existing test range. Work includes improving an existing 13-mile graded-soil target test track by provision of drainage culverts and a built-up base course surface, and shoulder clearance along eight miles of right-of-way. Following initial testing, modify 1.5 miles of the improved test track by removal/repair of the base course surface and replacement with an asphalt surface. Construct six optical tracking and instrumentation sites, to include provision of surfaced access roads from existing roads and trails.							
11. REQUIREMENT: 13 MI ADEQUATE: NONE SUBSTANDARD: 13 MI							
PROJECT: Improve existing target track and construct optical instrumentation sites. (Current Mission)							
REQUIREMENT: This project is required to provide test track surface characteristics to satisfy technical requirements of the test program. Earth, base course, and asphalt surfaces are required to present representative acoustic and thermal signatures for evaluation of the weapon systems being tested. Six additional instrumentation sites are required to track and record weapon functions and flight profile events, to adequately cover the simultaneous dispense and flight functions of multiple submunitions.							

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  White Sands Missile Range, New Mexico		
4. PROJECT TITLE  Target Track		5. PROJECT NUMBER  41204
<p><u>CURRENT SITUATION:</u> Test targets currently use a 13-mile graded-dirt test track. This track is adequate only to support initial phases of testing, when representative tactical conditions are not required. Six existing optical instrumentation sites are used to track and record functions of single submunition drop tests. Specific information regarding the test programs impacted by this request cannot be provided in this document due to security restrictions.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the test track will not provide tactically representative road surfaces and target area conditions required for realistic testing will not be available. Failure to provide additional optical instrumentation sites will limit abilities to track multiple submunitions released by weapons systems under tests. This will make it impossible to gather adequate data to assess performance of new weapons systems entering the developmental and pre-production stages of acquisition. As such systems subsequently join the munitions stockpile, such facilities will also be required for the conduct of stockpile reliability testing.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. A range electric power system, providing reliable commercial power, is under construction as an FY 93 Unspecified Minor MCA project (41203, \$1.45 Million), and provides power drops for instrumentation sites to be built under this project.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	OCT 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	95	
(d) Design Complete Date.....	NOV 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)	
(a) Production of Plans and Specifications.....	29	

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993																
3. INSTALLATION AND LOCATION  White Sands Missile Range, New Mexico																		
4. PROJECT TITLE  Target Track	5. PROJECT NUMBER  41204																	
<p>12. <u>SUPPLEMENTAL DATA:</u> (Continued)</p> <p style="margin-left: 20px;">A. Estimated Design Data: (Continued)</p> <table style="width: 100%; margin-left: 40px;"> <tr> <td style="width: 80%;">(b) All Other Design Costs.....</td> <td style="width: 20%; text-align: right;">203</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td style="text-align: right;">232</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">145</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">87</td> </tr> </table> <p style="margin-left: 40px;">(4) Construction Start..... MAY 1994 month &amp; year</p> <p style="margin-left: 20px;">B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 40px;"> <thead> <tr> <th style="text-align: left;">Equipment <u>Nomenclature</u></th> <th style="text-align: left;">Procuring <u>Appropriation</u></th> <th style="text-align: left;">Fiscal Year Appropriated <u>Or Requested</u></th> <th style="text-align: left;">Cost <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center; padding-top: 20px;">None</td> </tr> </tbody> </table>			(b) All Other Design Costs.....	203	(c) Total Design Cost.....	232	(d) Contract.....	145	(e) In-house.....	87	Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>	None			
(b) All Other Design Costs.....	203																	
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Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>															
None																		

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
New York		United States Military Academy (XXX)			161
	34548	Whole Barracks Renewal	13,800	13,800	163
		Subtotal For United States Military Academy PART I	\$ 13,800	13,800	
		* TOTAL MCA FOR New York	\$ 13,800	13,800	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  United States Military Academy New York		4. COMMAND  United States Military Academy			5. AREA CONSTRUCTION COST INDEX  1.13	

6. PERSONNEL STRENGTH:										
	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	794	652	2370	0	4465	0	31	1	894	9,207
B. END FY 1999	779	632	2419	0	4258	0	31	1	2177	10,297

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	29,511 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,715,641
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	13,600
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	28,000
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	5,780
G. REMAINING DEFICIENCY.....	42,950
H. GRAND TOTAL.....	1,806,171

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY PROJECT			COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000)	START COMPLETE
721	34548	Whole Barracks Renewal	13,800	09/1992 06/1993
TOTAL			13,800	

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
722	Renovate Food Processing Facility	28,000
TOTAL		28,000
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:
The mission of the United States Military Academy (USMA) is to educate, train, and inspire the Corps of Cadets so that each graduate shall have the character, leadership, intellectual foundation, and other attributes essential to progression and continuing development throughout a career of exemplary service to the nation as an officer of the regular army. USMA is the installation manager for Stewart Army Subpost.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: United States Military Academy      New York										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>United States Military Academy New York</b>			4. PROJECT TITLE <b>Whole Barracks Renewal</b>		
5. PROGRAM ELEMENT <b>85896A</b>	6. CATEGORY CODE <b>721</b>	7. PROJECT NUMBER <b>34548</b>	8. PROJECT COST (\$000) Auth      13,800 Approp    13,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					10,852
Barracks Addition		SF	9,060	140.52	(1,273)
Command Group HQ		SF	15,629	111.28	(1,739)
Barracks Renovation		SF	81,626	89.33	(7,292)
Asbestos Removal		LS	--	--	(131)
Building Information Systems		LS	--	--	(417)
<b>SUPPORTING FACILITIES</b>					1,132
Electric Service		LS	--	--	(353)
Water, Sewer, Gas		LS	--	--	(199)
Steam And/Or Chilled Water Distr		LS	--	--	(38)
Paving, Walks, Curbs And Gutters		LS	--	--	(57)
Storm Drainage		LS	--	--	(40)
Site Imp( 276) Demo( )		LS	--	--	(276)
Information Systems		LS	--	--	(169)
ESTIMATED CONTRACT COST					11,984
CONTINGENCY PERCENT (8.50%)					1,019
SUBTOTAL					13,003
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					780
TOTAL REQUEST					13,783
TOTAL REQUEST (ROUNDED)					13,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(86)
10. Description of Proposed Construction      Renovate the interior of two historic enlisted personnel barracks. Project includes living/sleeping rooms with private bath, walk-in closets, and includes an addition to one barracks. Construct a detached consolidated Battalion and Three Company Headquarters and Supply building, with classrooms and arms room included in military police company space. Renovate and reconfigure into current standard modules to accommodate enlisted barracks facilities. Work includes fire stairs and asbestos removal. Basement area will contain bulk storage space, weight room, laundry facilities, mud room and future common use area. Dorm office and common use area will be provided along with mail facilities on the first floor. Supporting facilities include utilities; electric service; sanitary sewer; fire protection and alarm systems; paving, walks, curbs and gutters; information systems; and site improvements. Access for the handicapped will be provided in the Command Group Headquarters building. Heating will be provided from existing central steam plant. Barracks heating and cooling will be fan coil units with individual room controls. Air conditioning: 240 tons. Comprehensive Interior Design services are requested.					



1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
United States Military Academy, New York		
4. PROJECT TITLE		5. PROJECT NUMBER
Whole Barracks Renewal		34548
<p><b>11. REQUIREMENT:</b> 209 PN ADEQUATE: NONE SUBSTANDARD: NONE</p> <p><b>PROJECT:</b> Renovate two enlisted barracks and provide barracks addition and a headquarters building to meet the Whole Barracks Renewal Program Standard. (Current Mission)</p> <p><b>REQUIREMENT:</b> This project is required to provide barracks and command administration for all enlisted soldiers stationed at West Point. The requirement for this project will not be affected by reductions in the size of the Corps of Cadets, which have no effect on enlisted support strength. The renovated barracks and addition will provide housing for 178 E1-E4 and 31 E5-E6. Intended utilization is 209 spaces. This will allow a maximum utilization of 240 spaces.</p> <p><b>CURRENT SITUATION:</b> The Military Police (MP) barracks currently share an aging administration building with the Provost Marshal administrative offices. The north dining facility serving the MP Company is currently located in a separate building. The Headquarters, Medical Department Activity and Dental Activity companies' barracks are currently housed in the two buildings to be renovated. All barracks require major renovations to optimize use of the available space to comply with current life safety standards. All facilities currently used for these functions are in poor condition because of the protracted period since the last major renovation, and are a burden to the maintenance and repair program. The two buildings (currently containing 173 spaces) to be revitalized are virtually identical: heating, ventilation and air conditioning (HVAC) are inadequate, plumbing with gang latrines is substandard and interior surfaces are badly worn. One building includes a modern dining facility which remains in operation with no work under this project. The other building includes approximately 7,000 SF of storage areas which will be converted to barracks. The north dining facility serving the MPs will be closed as a result of the consolidation.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the single enlisted soldiers will continue to live in deplorable conditions enduring inadequate HVAC, plumbing, electrical, and life-safety systems. These aging facilities will continue to be a burden to the maintenance and repair program through piecemeal major repairs. The north dining facility will continue to operate, thereby burdening the operations and maintenance programs.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project. The following are related projects: FY 92 PN 31081 - Military Police Station/Garrison Commander Headquarters; FY 94 OMA Project -</p>		

1. COMPONENT	FY 1994	MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY			APRIL 1993
3. INSTALLATION AND LOCATION			
United States Military Academy, New York			
4. PROJECT TITLE		5. PROJECT NUMBER	
Whole Barracks Renewal		34548	
<u>ADDITIONAL: (CONTINUED)</u> Exterior M/R Buildings and Site Improvements; FY 93 OMA Project - Consolidate Enlisted Recreational Facilities; FY 95 OMA Project - Road Extension; FY 97 OMA Project - Demolition, World War II Buildings (30,000 GSF).			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a)	Design Start Date.....	SEP 1992	
(b)	Percent Complete As Of 01 January 93 (BDGT YR)..	35	
(c)	Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d)	Design Complete Date.....	JUN 1993	
(2) Basis:			
(a)	Standard or Definitive Design - (YES/NO) N		
(b)	Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a)	Production of Plans and Specifications.....	816	
(b)	All Other Design Costs.....	680	
(c)	Total Design Cost.....	1,496	
(d)	Contract.....	1,088	
(e)	In-house.....	408	
(4) Construction Start..... APR 1994			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment	Procuring	Fiscal Year	Cost
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>Or Requested</u>
Info Sys - ISC	OPA	0000	80
Info Sys - PROP	OPA	0000	6
TOTAL			86

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	
North Carolina		Fort Bragg (FORSCOM)			169
	1731	Tactical Equipment Shop	23,000	23,000	171
	4641	Tactical Equipment Shop	7,100	7,100	175
	35358	Whole Brigade Barracks Complex	71,600	71,600	178
	40444	Sewage Treatment Plant Upgrade	540	540	182
		Subtotal For Fort Bragg PART I	\$ 102,240	102,240	
		* TOTAL MCA FOR North Carolina	\$ 102,240	102,240	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Port Bragg North Carolina		4. COMMAND  US Army Forces Command			5. AREA CONSTRUCTION COST INDEX  0.80	

6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS		SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	4918	34475	4234	278	1858	0	48,749
B. END FY 1999	5261	34316	5029	289	1325	0	49,207

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	129,431 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	3,068,225
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	102,240
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	24,000
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	190,412
H. GRAND TOTAL.....	3,384,877

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY PROJECT			COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE	(\$000)	START	COMPLETE
214	1731	Tactical Equipment Shop	23,000	01/1992	09/1993
214	4641	Tactical Equipment Shop	7,100	01/1992	09/1993
721	35358	Whole Brigade Barracks Complex	71,600	09/1992	09/1993
831	40444	Sewage Treatment Plant Upgrade	540	10/1992	08/1993
TOTAL			102,240		

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
721	Whole Barracks Renewal	24,000
TOTAL		24,000
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:
Support and training of an Airborne Division and non-divisional support units; support to US Army Special Operations Command, including 1st US Army Special Operations Command, and the USA John F. Kennedy Special Warfare Center & School; XVIII Corps Headquarters and miscellaneous other tenant activities.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Bragg North Carolina										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">1,684</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">8,860</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	1,684	B. WATER POLLUTION	8,860	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	1,684									
B. WATER POLLUTION	8,860									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		2. DATE	
ARMY		FY 1994 <sup>a</sup> MILITARY CONSTRUCTION PROJECT DATA	
APRIL 1993			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Fort Bragg North Carolina		Tactical Equipment Shop	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
22696A	214	1731	Auth 23,000 Approp 23,000
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST COST (\$000)
<b>PRIMARY FACILITY</b>			15,755
Vehicle Maintenance Shops (4 EA)	SF	122,480	(10,894)
Deploy Equip Storages, (3)	SF	3,500	(139)
Crypto Vault	SF	3,013	(299)
Fuel Dispensing Building	SF	120	(25)
Oil Storage Buildings (3)	SF	480	(34)
Total from Continuation page			(4,364)
<b>SUPPORTING FACILITIES</b>			4,493
Electric Service	LS	--	(702)
Water, Sewer, Gas	LS	--	(320)
Steam And/Or Chilled Water Distr	LS	--	(485)
Paving, Walks, Curbs And Gutters	LS	--	(153)
Storm Drainage	LS	--	(609)
Site Imp( 1,412) Demo( 16)	LS	--	(1,428)
Information Systems	LS	--	(796)
<b>ESTIMATED CONTRACT COST</b>			20,248
<b>CONTINGENCY PERCENT (5.00%)</b>			1,012
<b>SUBTOTAL</b>			21,260
<b>SUPERVISION, INSPECTION &amp; OVERHEAD (6.00%)</b>			1,276
<b>TOTAL REQUEST</b>			22,536
<b>TOTAL REQUEST (ROUNDED)</b>			23,000
<b>INSTALLED EQUIPMENT-OTHER APPROPRIATIONS</b>			(4,326)
10. Description of Proposed Construction Construct a standard-design organizational and direct support vehicle maintenance shop complex. The maintenance shops will consist of vehicle maintenance repair bays, general item and compact item repair areas, and special environment shops. Install electrically operated bay doors, lubricant dispensing facilities, vehicle exhaust ventilation, fire protection system, compressed air systems, full-width traveling bridge cranes, and inspection pits. Relocate existing MARS station, control building and antenna field. The complex includes deployment equipment storage buildings, oil storage buildings, fuel dispensing buildings with fuel islands and pumps, open storage areas, fuel storage tanks, and vehicle hardstand. Install an intrusion detection system (IDS) for a crypto vault. Supporting facilities include utilities; electric service; storm drainage; sewer systems; sewage pump station; fire protection and alarm systems; security lighting, fencing and gates; paving, walks, curbs and gutters; parking; information systems; and site improvements. Construct access road to connect the complex to a main road. Heating and air conditioning (44 tons) will be provided by self-contained units for administrative areas, crypto vaults, and special environment shops. Mechanical ventilation: 334,224 CFM. Demolish three buildings (5,450 SF) within the footprint. Support facility costs are high			



1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE		
ARMY		APRIL 1993		
3. INSTALLATION AND LOCATION				
Fort Bragg, North Carolina				
4. PROJECT TITLE		5. PROJECT NUMBER		
Tactical Equipment Shop		1731		
9. COST ESTIMATES (CONTINUED)				
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Sentry Station	SF	104	263.97	(27)
Fuel Dispensing System	GA	60,000	10.15	(609)
Hardstand	SY	92,500	35.00	(3,238)
IDS Installation	LS	--	--	(7)
Relocate Existing MARS Station	LS	--	--	(313)
Building Information Systems	LS	--	--	(170)
			Total	4,364
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>				
because the undeveloped site lacks infrastructure.				
11. <u>REQUIREMENT:</u> 215,485 SF ADEQUATE: 22,656 SF SUBSTANDARD: 12,285 SF				
<u>PROJECT:</u> Construct a standard-design organizational and direct support vehicle maintenance shop complex. (Current Mission)				
<u>REQUIREMENT:</u> This project is required to provide adequate facilities for the 782d Maintenance Battalion, which provides direct support maintenance for all division equipment except for parachutes and medical items. The equipment inventory ranges from tanks, to weaponry, to sensitive electronic, signal, and optical items. The readiness posture and effectiveness of the entire division depends on well-maintained equipment, a fully stocked parts system, and adequate service facilities. This project also provides organizational and direct support space for the 782d Battalion to maintain its own vehicles and trailers. The shops will accommodate 483 personnel.				
<u>CURRENT SITUATION:</u> The 782d Maintenance Battalion currently performs maintenance in 11 permanent and 11 temporary buildings. The four permanent shop buildings were constructed in 1955 and are poorly adapted for modern organizational and direct support maintenance. The facilities are too small for large equipment and lack overhead cranes and environmentally controlled shops for maintenance of radar, electronic, signal, and advanced weaponry. There is no storage for high-security parts for missile maintenance and only minimal security for highly classified weapons and communications systems. Some existing facilities are endangered by the Pope Air Force Base runway and must be removed due to danger during take-offs and landings. At completion of this project, the 11 permanent buildings, totalling 47,444 SF, will be turned over to the "Dragon Brigade" to make up their shortage of authorized maintenance space. The 11 temporary buildings are no longer economical to maintain and will be demolished.				
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the 782d Maintenance Battalion will continue to experience maintenance backlogs due to inadequate facilities. Troop morale and productivity will suffer as a result.				



1. COMPONENT <b>ARMY</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Bragg, North Carolina</b>			
4. PROJECT TITLE <b>Tactical Equipment Shop</b>		5. PROJECT NUMBER <b>1731</b>	
<p><b>IMPACT IF NOT PROVIDED:</b> (CONTINUED)</p> <p>As part of the 82d Airborne Division Support Command (DISCOM), the 782d has a rapid deployment mission. The proposed facility has special storage, security and access requirements to support this missions. The uniqueness of this mission also makes it impractical to collocate this facility with other organizational maintenance facilities such as the proposed tactical equipment shop.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....			<u>JAN 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)...			<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)...			<u>100</u>
(d) Design Complete Date.....			<u>SEP 1993</u>
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) Y			
(b) Where Design Was Most Recently Used Fort Bragg			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....			<u>1,150</u>
(b) All Other Design Costs.....			<u>530</u>
(c) Total Design Cost.....			<u>1,680</u>
(d) Contract.....			<u>700</u>
(e) In-house.....			<u>980</u>
(4) Construction Start..... <u>JAN 1994</u> month & year			

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Bragg, North Carolina		
4. PROJECT TITLE  Tactical Equipment Shop		5. PROJECT NUMBER  1731
12. SUPPLEMENTAL DATA: (CONTINUED) B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>
		Cost (\$000)
Info Sys - ISC	OPA	0000      4,326
		TOTAL      4,326

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Bragg North Carolina				Tactical Equipment Shop			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		214		4641		Auth 7,100 Approp 7,100	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							4,935
Vehicle Maintenance Shop, Org.				SF	34,110	88.80	(3,029)
Deployment Equipment Storage				SF	3,500	40.00	(140)
Oil Storage Building				SF	540	70.00	(38)
Sentry Station				SF	80	225.82	(18)
Fuel Dispensing Building				SF	120	205.98	(25)
Total from Continuation page							(1,685)
<u>SUPPORTING FACILITIES</u>							1,428
Electric Service				LS	--	--	(149)
Water, Sewer, Gas				LS	--	--	(111)
Steam And/Or Chilled Water Distr				LS	--	--	(107)
Paving, Walks, Curbs And Gutters				LS	--	--	(48)
Storm Drainage				LS	--	--	(102)
Site Imp( 649) Demo( 29)				LS	--	--	(678)
Information Systems				LS	--	--	(221)
Heating Oil Storage				LS	--	--	(12)
ESTIMATED CONTRACT COST							6,363
CONTINGENCY PERCENT (5.00%)							318
SUBTOTAL							6,681
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							401
TOTAL REQUEST							7,082
TOTAL REQUEST (ROUNDED)							7,100
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(4,616)
10. Description of Proposed Construction Construct a standard-design organizational and direct support maintenance shop with vehicle maintenance repair bays, administration and shop control areas, general and compact item repair areas, a special-environment shop, storage, a conference area, and latrines. Install electrically operated doors, lubricant dispensing facilities, exhaust ventilation, compressed air systems, full-width traveling bridge cranes, fire protection and alarm systems, and inspection pits. The complex will include deployment equipment storage, oil storage, sentry station, fuel islands and pumps, vehicle hardstands, a crypto vault with an intrusion detection system (IDS), and underground fuel storage tanks. Widen the road to the shop entrance. Supporting facilities include utilities; electric service; paving, walks, curbs and gutters; parking; storm drainage; sewer systems; security lighting; oil storage tank; fencing and gates; information systems; and site improvements. Heating and air conditioning (20 tons) will be provided by self-contained units for the administrative areas, crypto vault, and the special environment shop only. Mechanical ventilation: 92,747 CFM. Demolish five buildings (9,038 SF) within the footprint. Supporting facilities costs are high because of extensive site work and demolition requirements.							

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
Fort Bragg, North Carolina			
4. PROJECT TITLE		5. PROJECT NUMBER	
Tactical Equipment Shop		4641	
9. COST ESTIMATES (CONTINUED)			
Item	U/M	QTY	Unit Cost (\$000)
PRIMARY FACILITY (CONTINUED)			
Crypto Vault	SF	2,027	96.13 (195)
Hardstand	SY	26,330	35.00 (922)
Aprons	SY	5,400	35.00 (189)
Fuel Dispensing System	GA	30,000	8.10 (243)
IDS Installation	EA	5	2,200 (11)
Building Information Systems	LS	--	-- (125)
Total			1,685
11. REQUIREMENT: 1,379,914 SF ADEQUATE: 445,427 SF SUBSTANDARD: 216,758 SF			
PROJECT: Construct a standard-design tactical equipment shop. (Current Mission)			
REQUIREMENT: This project is required to provide essential maintenance for the 35th Signal Brigade and organizational maintenance for 337 wheeled vehicles and combat trailers assigned to the 25th Signal Battalion and Headquarters and Headquarters Company (HHC), 35th Signal Brigade.			
CURRENT SITUATION: The 25th Signal Battalion and HHC, 35th Signal Brigade, share extremely crowded maintenance facilities with the 50th and 426th Signal Battalions. These facilities were designed to house only two battalions. These facilities currently have five times as much equipment as the facilities were originally designed for. The cramped conditions cause ineffective operational control and inadequate security. Present facilities have no provisions for generator maintenance or communications, crypto, or small item repair. The existing two-lane road serves various vehicle maintenance shops and a large number of World War II structures, and is adequate to support the existing and future maintenance facilities in this area. The missions of these units do not include a rapid deployment requirement. As such, it is not appropriate to collocate this proposed maintenance facility with that proposed for the 782d Maintenance Battalion.			
IMPACT IF NOT PROVIDED: If this project is not provided, the 25th Signal Battalion and HHC, 35th Signal Brigade, must continue maintenance functions in severely crowded and inadequate facilities. Readiness posture will be severely hampered, and troop productivity will suffer due to the crowded, inadequate conditions or in areas exposed to the elements.			
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all			

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Bragg, North Carolina		
4. PROJECT TITLE		5. PROJECT NUMBER
Tactical Equipment Shop		4641
ADDITIONAL: (CONTINUED) subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	JAN 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	SEP 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used		
Fort Bragg		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	390	
(b) All Other Design Costs.....	202	
(c) Total Design Cost.....	592	
(d) Contract.....	342	
(e) In-house.....	250	
(4) Construction Start..... FEB 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Cost Or Requested (\$000)
IDS Equipment	OPA	1994 33
Info Sys - ISC	OPA	1994 4,583
	TOTAL	4,616



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Bragg North Carolina				Whole Brigade Barracks Complex			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		721		35358		Auth 71,600 Approp 71,600	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>							49,409
Brigade Area Barracks				SF	243,000	72.00	(17,496)
Company Operations Building				SF	79,857	72.92	(5,824)
Dining Facility				SF	14,116	145.00	(2,047)
Battalion Headquarters Building				SF	51,536	78.59	(4,050)
Brigade Headquarters Building				SF	10,100	81.00	(818)
Total from Continuation page							(19,174)
<b>SUPPORTING FACILITIES</b>							14,921
Electric Service				LS	--	--	(2,331)
Water, Sewer, Gas				LS	--	--	(559)
Steam And/Or Chilled Water Distr				LS	--	--	(2,218)
Paving, Walks, Curbs And Gutters				LS	--	--	(2,595)
Storm Drainage				LS	--	--	(506)
Site Imp( 4,506) Demo( 1,139)				LS	--	--	(5,644)
Information Systems				LS	--	--	(1,068)
ESTIMATED CONTRACT COST							64,330
CONTINGENCY PERCENT (5.00%)							3,217
SUBTOTAL							67,547
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							4,053
TOTAL REQUEST							71,600
TOTAL REQUEST (ROUNDED)							71,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1,865)
10. Description of Proposed Construction Revitalize Brigade Area Barracks Complex. Project includes constructing new barracks, company operations facilities, battalion and brigade headquarters, dining facilities, common use facilities, close-in training area, standard-design general purpose warehouse, parachute packing and drying facility, chiller plant, and heating plant. Barracks will include living/sleeping room, private bath, walk-in closets, storage, day room, television rooms, and laundry; exterior room entrances; two ceiling fans, and independent thermostat controls per room. Construct two-story company operations facilities for two large, three medium, and 12 small companies, three small and one large battalion headquarters, and one brigade headquarters based on the standard constrained site designs. Connect energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Construct a standard-design dining facility. Construct a heating plant and chiller plant (1,000 tons). Relocate Jump Training Facility. Asbestos removal is required. Supporting facilities include utilities; electric service; fire protection and alarms systems; picnic tables, benches, and bike racks; fencing and gates; paving, walks, curbs and gutters; parking; storm drainage; information systems; and site improvements. Heating and air conditioning (975 tons) will be provided. Demolish 20 buildings (230,730 SF) within the footprint, which							

1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		APRIL 1993	
Fort Bragg, North Carolina			
4. PROJECT TITLE		5. PROJECT NUMBER	
Whole Brigade Barracks Complex		35358	
9. COST ESTIMATES (CONTINUED)			
Item	U/M	QTY	Unit Cost (\$000)
PRIMARY FACILITY (CONTINUED)			
Relocate Jump Training Facility	LS	--	(1,360)
Parachute Packing Facility	SF	125,502	(6,401)
General Purpose Warehouse	SF	68,878	(3,100)
Central Energy Plant	LS	--	(4,921)
EMCS Connections	LS	--	(1,000)
IDS Installation	LS	--	(25)
Building Information Systems	LS	--	(2,367)
		Total	19,174
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)			
includes the Parachute Packing Facility and General Purpose Warehouse.			
11. REQUIREMENT: 20,577 PN ADEQUATE: 13,840 PN SUBSTANDARD: 2,470 PN			
PROJECT: Revitalize a Brigade Area Barracks Complex to meet the Whole Barracks Renewal Program Standard. (Current Mission)			
REQUIREMENT: This project is required to provide barracks for the 82d Airborne Division using the Whole Barracks Renewal Program standard. This project will provide housing for a total of 833 enlisted personnel. Maximum utilization is 900 persons. These barracks require upgraded furnishings, upgraded laundry, a common use facility, site improvements around barracks, increased parking, and contiguous recreation areas to meet Army Community of Excellence standards. This project will upgrade the existing heating plant and construct a new chiller plant to support the construction of the barracks and administrative facilities in this project. This project is the first of several phases required to improve the quality-of-life for single soldiers. This project will also construct four battalion headquarters and one brigade headquarters for the 82d Airborne Division, to replace existing substandard facilities.			
CURRENT SITUATION: The typical barracks for the 82d Airborne Division soldier was constructed in 1955. These barracks are nearly 40 years old, the infrastructure is decaying, the soldiers still use gang latrines and showers, and existing heating, ventilation, and air conditioning (HVAC); and hot water systems require frequent repairing. There is evidence of reinforcement bar problems in some of the concrete structure, and water infiltration in the concrete slabs. The existing heat plant was constructed in 1955. Today this plant supplies hot water and heat to barracks, company administrative facilities, battalion headquarters, brigade headquarters, and various community activities in the 82d Division Arc District. Due to the age of the plant, Fort Bragg is faced with costly maintenance repairs and upkeep. The existing chiller plant was constructed 1974. The 82d Airborne Division uses			



1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Bragg, North Carolina		
4. PROJECT TITLE  Whole Brigade Barracks Complex		5. PROJECT NUMBER  35358
<p><u>CURRENT SITUATION:</u>      (CONTINUED)</p> <p>permanent, dispersed, inadequate facilities to accommodate brigade and battalion administrative functions: a typical brigade must rely on three, small, dispersed administrative facilities. Battalion headquarters use a combination of a module building designed for storage and converted barracks space. Administrative facilities have inefficient office layouts. Barracks space converted to battalion headquarters has not been upgraded to an adequate battalion headquarters standard. Temporary facilities will be used for future revitalization projects. The two-story designs are required due to the extremely constrained building sites caused by the need to preserve adjacent wooded area for the recovery of the endangered red-cockaded woodpecker.</p> <p><u>IMPACT IF NOT PROVIDED:</u>      If this project is not provided, inadequate barracks in the 82d Airborne Division area will continue to deteriorate to the point that the morale of the Division will be negatively affected. Brigade and battalion operations will continue to be split in multiple, undersized facilities that are nearly 40 years old.</p> <p><u>ADDITIONAL:</u>      This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	SEP 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR)...	35	
(c) Percent Complete As Of 01 October 93 (PROG YR)...	100	
(d) Design Complete Date.....	SEP 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	3,420	
(b) All Other Design Costs.....	2,130	
(c) Total Design Cost.....	5,550	

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993																
3. INSTALLATION AND LOCATION  Fort Bragg, North Carolina																		
4. PROJECT TITLE  Whole Brigade Barracks Complex	5. PROJECT NUMBER  35358																	
<p>12. <u>SUPPLEMENTAL DATA:</u> (Continued)</p> <p style="margin-left: 20px;">A. Estimated Design Data: (Continued)</p> <div style="margin-left: 40px;"> (d) Contract..... 3,500  (e) In-house..... 2,050 </div> <p style="margin-left: 40px;">(4) Construction Start..... JAN 1994 month &amp; year</p> <p style="margin-left: 20px;">B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 40px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated Or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>IDS Equipment</td> <td>OPA</td> <td>1994</td> <td>39</td> </tr> <tr> <td>Info Sys - ISC</td> <td>OPA</td> <td>0000</td> <td>1,826</td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL</td> <td>1,865</td> </tr> </tbody> </table>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	IDS Equipment	OPA	1994	39	Info Sys - ISC	OPA	0000	1,826	TOTAL			1,865
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>															
IDS Equipment	OPA	1994	39															
Info Sys - ISC	OPA	0000	1,826															
TOTAL			1,865															

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Bragg North Carolina</b>			4. PROJECT TITLE <b>Sewage Treatment Plant Upgrade</b>		
5. PROGRAM ELEMENT <b>22696A</b>	6. CATEGORY CODE <b>831</b>	7. PROJECT NUMBER <b>40444</b>	8. PROJECT COST (\$000) Auth      540 Approp    540		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					<b>431</b>
Ultraviolet Equipment		LS	--	--	(320)
Concrete Structure		LS	--	--	(100)
Building Information Systems		LS	--	--	(11)
<b>SUPPORTING FACILITIES</b>					<b>52</b>
Electric Service		LS	--	--	(38)
Information Systems		LS	--	--	(14)
ESTIMATED CONTRACT COST					483
CONTINGENCY PERCENT (5.00%)					24
SUBTOTAL					507
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					30
TOTAL REQUEST					537
TOTAL REQUEST (ROUNDED)					540
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction      Upgrade the sewage treatment plant (STP). Work includes the design, fabrication, and installation of a fully integrated ultraviolet (UV) disinfection system. The UV system will have sufficient capacity to treat a peak flow of 12 million gallons daily (MGD) and an average flow of eight MGD. It will be capable of reducing the fecal coliform count to 200/100 ml. Facility will consist of two parallel channels to accommodate the UV equipment with sufficient space allocated to perform all monitoring and maintenance work to operate the system. The UV disinfection system will alter existing 36-inch pipe to allow it to function as a bypass. The new channels will serve as the normal effluent flow path. Supporting facilities include electric service and information systems.					
11. REQUIREMENT:      12,000 KG ADEQUATE:      NONE      SUBSTANDARD:      12,000 KG					
PROJECT: Upgrade sewage treatment plant. (Current Mission)					
REQUIREMENT: This project is required to meet the discharge standards prescribed by the North Carolina Department of Natural Resources and Community Development and to meet the operating requirements of the National Pollutant Discharge Elimination System (NPDES) permit.					



1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Bragg, North Carolina		
4. PROJECT TITLE  Sewage Treatment Plant Upgrade		5. PROJECT NUMBER  40444
12. <u>SUPPLEMENTAL DATA:</u> (CONTINUED) B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u> Cost <u>(\$000)</u>
None		

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Oklahoma		Fort Sill (TRADOC)			187
	35242	Whole Barracks Renewal	15,700	15,700	189
		Subtotal For Fort Sill PART I	\$ 15,700	15,700	
		* TOTAL MCA FOR Oklahoma	\$ 15,700	15,700	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Sill Oklahoma	4. COMMAND  US Army Training and Doctrine Command		5. AREA CONSTRUCTION COST INDEX  0.81	

6. PERSONNEL STRENGTH:										
	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	1480	11424	2510	942	5455	1	70	79	2823	24,784
B. END FY 1999	1297	9990	2339	778	5222	0	70	79	2823	22,598

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	94,222 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,603,935
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	15,700
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	38,000
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	99,752
H. GRAND TOTAL.....	1,757,387

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY PROJECT		COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE	(\$000)	START COMPLETE
721	35242	Whole Barracks Renewal	15,700	05/1992 09/1993
TOTAL			15,700	

9. FUTURE PROJECTS:				
CATEGORY		COST		
CODE	PROJECT TITLE	(\$000)		
A. INCLUDED IN THE FY 1995 PROGRAM:				
214	Tactical Equipment Shop	22,000		
721	Whole Barracks Renewal	16,000		
TOTAL		38,000		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE				

10. MISSION OR MAJOR FUNCTIONS:	
Support and training of artillery and missile units, operation of the US Army Field Artillery Center and School, US Army Reception Center and provides support for tenant activities and Reserve Components summer training.	



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Sill <div style="text-align: right;">Oklahoma</div>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table style="width: 100%;"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Sill Oklahoma				Whole Barracks Renewal			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
85796A		721		35242		Auth 15,700 Approp 15,700	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							12,892
Rebuild Barracks (3)				SF	125,697	56.50	(7,102)
Asbestos Removal				LS	--	--	(144)
Bn/Bde Hqs Building				SF	36,600	71.30	(2,610)
Company Operations				SF	29,400	71.30	(2,096)
Elevated Water Storage Tower				LS	--	--	(731)
Total from Continuation page							(209)
<u>SUPPORTING FACILITIES</u>							886
Electric Service				LS	--	--	(60)
Water, Sewer, Gas				LS	--	--	(130)
Paving, Walks, Curbs & Gutters				LS	--	--	(255)
Storm Drainage				LS	--	--	(50)
Site Imp( 175) Demo( 186)				LS	--	--	(361)
Information Systems				LS	--	--	(30)
ESTIMATED CONTRACT COST							13,778
CONTINGENCY PERCENT (7.50%)							1,033
SUBTOTAL							14,811
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							889
TOTAL REQUEST							15,700
TOTAL REQUEST (ROUNDED)							15,700
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(155)
10. Description of Proposed Construction Modernize three barracks. Work includes living/sleeping room with private bath and walk-in closets, asbestos removal, removing and installing new walls. Provide floor covering, wall and ceiling finishings, private exterior entrances, and replace roofs. Convert first floor administrative and dining space to barracks and day room. Basement space will be converted to laundry and storage. Construct two modified standard-design Battalion Headquarters (Hqs), one Brigade Hqs, and eight standard-design Company Operations Facilities, and an elevated water tower. Connect energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Supporting facilities include utilities, electric service, fire protection and alarm systems, paving, storm drainage, information systems, and site improvements. Heating and air conditioning (250 tons) will be provided from existing self-contained plants. Demolish three buildings (18,614 SF) and hardstand (2,500 SY) within the footprint.							
11. REQUIREMENT: 4,009 PN ADEQUATE: 575 PN SUBSTANDARD: 4,021 PN							
PROJECT: Modernize three barracks to meet the Whole Barracks Renewal Program Standard and construct one Brigade Hqs, two Battalion Hqs, and eight company operations facility, and an elevated water tower. (Current Mission)							

1. COMPONENT	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Sill, Oklahoma		
4. PROJECT TITLE		5. PROJECT NUMBER
Whole Barracks Renewal		35242
9. COST ESTIMATES (CONTINUED)		
<u>Item</u>	<u>U/M</u>	<u>QTY</u>
		<u>Unit</u> <u>COST</u>
		<u>Cost</u> <u>(\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>		
EMCS Connection	LS	--
IDS Installation	LS	--
Building Information Systems	LS	--
		(20)
		(10)
		(179)
		Total      209
<p><u>REQUIREMENT:</u> This project is required to provide living quarter improvements in three enlisted barracks which were constructed in 1954. Space criteria for barracks has been revised to provide larger rooms, private baths, and relocate all administrative functions out of the barracks buildings. This project will provide housing for a total of 396 enlisted personnel (PN) (336 E1-E4 and 60 E5-E6). Maximum utilization will be 456 enlisted personnel. This is the first of ten barracks modernization projects and will rebuild three barracks, including converting administrative and dining space to barracks and day rooms. New facilities for one brigade, two battalions and eight batteries are required to replace the converted space in the existing barracks buildings. This project will provide a better environment for today's enlisted soldiers. Correction of substandard conditions will contribute to the health, welfare, and morale of the service members.</p> <p><u>CURRENT SITUATION:</u> Each barracks currently provides living quarters for 88 E1-E4, and 12 E5-E6 personnel with a maximum utilization of 112 enlisted soldiers. Barracks were constructed in 1954 and remodeled in 1975. All systems have deteriorated; lighting and electrical outlets do not meet current standards; domestic hot water and heating systems are inefficient and antiquated. The overall maintenance needs of these buildings are excessive. Administrative space is limited and current layouts do not meet current standards and requirements of the modern Army. New design criteria also indicates that administrative space must be relocated outside the barracks buildings.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, soldiers will continue to live in substandard facilities. As a result major systems will fail, and costs of maintenance and repair will continue to escalate. Goals of the Army's Installation of Excellence Programs will not be met, which may directly affect the soldiers' morale, leading to loss of quality support to the Army.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all</p>		

1. COMPONENT  <b>ARMY</b>	<b>FY 1994      MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION  <b>Fort Sill, Oklahoma</b>		
4. PROJECT TITLE  <b>Whole Barracks Renewal</b>	5. PROJECT NUMBER  <b>35242</b>	

**ADDITIONAL: (CONTINUED)**  
subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

**12. SUPPLEMENTAL DATA:**

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>MAY 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	<u>90</u>
(d) Design Complete Date.....	<u>DEC 1993</u>

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) Y

(b) Where Design Was Most Recently Used  
Fort Hood

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	<u>852</u>
(b) All Other Design Costs.....	<u>142</u>
(c) Total Design Cost.....	<u>994</u>
(d) Contract.....	<u>          </u>
(e) In-house.....	<u>994</u>

(4) Construction Start..... APR 1994  
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>Or Requested</u>	Cost <u>(\$000)</u>
IDS Equipment	OPA	1994	64
Info Sys - ISC	OPA	1994	91
<b>TOTAL</b>			<b>155</b>

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Pennsylvania		Tobyhanna Army Depot (AMC)			195
	32876	Water Pollution Abatement (DBOF)	750	750	197
		Subtotal For Tobyhanna Army Depot PART I	\$ 750	750	
		* TOTAL MCA FOR Pennsylvania	\$ 750	750	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Tobyhanna Army Depot Pennsylvania	4. COMMAND  US Army Materiel Command		5. AREA CONSTRUCTION COST INDEX  1.14	

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED							
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	8	24	3364	0	0	0	4	5	57	3,462
B. END FY 1999	10	18	3486	0	0	0	6	6	633	4,159

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	1,293 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	385,784
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	750
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	13,500
H. GRAND TOTAL.....	400,034

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:			
CATEGORY	PROJECT	COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	START COMPLETE
871	32876	Water Pollution Abatement	750 05/1991 06/1992
		TOTAL	750

9. FUTURE PROJECTS:			
CATEGORY	PROJECT	COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	START COMPLETE
A. INCLUDED IN THE FY 1995 PROGRAM: NONE			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE			

10. MISSION OR MAJOR FUNCTIONS:

Depot Mission: To operate a supply and maintenance depot providing for the receipt, storage, maintenance, issue and disposal of assigned commodities; to provide installation support to attached organizations, and to operate assigned facilities. (Authority: DESCOM-R 10-1) Major Functions: a. Supply (Stock Distribution - Storage): Provides logistical support to MRCs/NICPs to include project coordination, shipment planning and control, inventory management and maintenance of custodial records, and preservation, packing, marking and storage of all materials. b. Maintenance: Ground, airborne, navigational, and satellite communications - electronics equipments and missile systems. Worldwide maintenance field service support (on-site) for AUTODIN, SATCOM and interrupted power systems (UPS), AN/TYC-39, and AN/TTC-39. Special Workloads: Provide project design and development service for Special

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Tobyhanna Army Depot                      Pennsylvania										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) Fabrication Projects (SFP), including procurement data packages. Serve as the Center of Technical Excellence (CTX) for designated new or product improved systems and subsystems. Provide life cycle support, including DMR and DMSP preparation, special fabrication, verification/validation, physical teardown, and logistics support planning. Operate an automated test system programming facility. Maintain a test program set (TPS) repository for CECOM. Serve as a DESCOM TPS Support Center.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="80 622 687 710"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									



## DEFENSE BUSINESS OPERATIONS FUND

The following item at Tobyhanna Army Depot, Pennsylvania is the only Army/Defense Business Operations Fund project that is proposed for Fiscal Year 1994

•

1. COMPONENT		FY 1994      MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
ARMY					APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
Tobyhanna Army Depot Pennsylvania				Water Pollution Abatement (DBOF)		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		100	32876		Auth      750 Approp    750	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>						480
Lime Feeder			EA	1	193,210	(193)
Detention Pond			SF	6,800	17.50	(119)
Sitewall			SF	2,500	37.50	(94)
Concrete Paving			SY	3,000	24.50	(74)
<u>SUPPORTING FACILITIES</u>						194
Electric Service			LS	--	--	(59)
Water, Sewer, Gas			LS	--	--	(13)
Paving, Walks, Curbs And Gutters			LS	--	--	(43)
Storm Drainage			LS	--	--	(29)
Site Imp(    50) Demo(       )			LS	--	--	(50)
<u>ESTIMATED CONTRACT COST</u>						674
<u>CONTINGENCY PERCENT (5.00%)</u>						34
<u>SUBTOTAL</u>						708
<u>SUPERVISION, INSPECTION &amp; OVERHEAD (6.00%)</u>						42
<u>TOTAL REQUEST</u>						750
<u>TOTAL REQUEST (ROUNDED)</u>						750
<u>INSTALLED EQUIPMENT-OTHER APPROPRIATIONS</u>						(0)
10. Description of Proposed Construction      Construct collection channels and detention basin to collect contaminated coal pile runoff. Construct a chemical feed and mix chamber to treat the contaminated runoff prior to discharge. Supporting facilities include water supply line, electric service, walks, pads, storm drainage, removal of a wall and a slab, and site improvements.						
11. <u>REQUIREMENT:</u> 378,000 GA ADEQUATE:      NONE      SUBSTANDARD:      NONE <u>PROJECT:</u> Construct a pollution control water collection and detention system. (Current Mission) <u>REQUIREMENT:</u> This project is required to ensure that Tobyhanna Army Depot (TOAD) complies with the regulations of the National Pollution Discharge Elimination System (NPDES) Permit. <u>CURRENT SITUATION:</u> Precipitation on the main boiler plant coal pile leaches contaminants from the coal, and the runoff flows across an adjacent field, contaminating Hummler Run and Tobyhanna Creek. Hummler Run is classified as a high quality coldwater fishery by the Pennsylvania Department of Environmental Resources and requires protection. TOAD is a National Priority List (NPL) site, and construction of this project will address corrective action associated with this solid waste management unit.						

1. COMPONENT  ARMY	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993																		
3. INSTALLATION AND LOCATION  Tobyhanna Army Depot, Pennsylvania																				
4. PROJECT TITLE  Water Pollution Abatement (DBOF)	5. PROJECT NUMBER  32876																			
<p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the Depot will continue to violate discharge parameters as established by its NPDES Permit, and will cause adverse environmental impact to Hummler Run and Tobyhanna Creek. With continued non-compliance, TOAD is susceptible to being cited and fined by the Pennsylvania Department of Environmental Resources (PADER), and US Environmental Protection Agency (USEPA). Delays in implementation of this project will adversely affect the expeditious completion of the work as set forth in the Intra-Agency Agreement between the Department of the Army and USEPA Region 3.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>																				
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Design Start Date.....</td> <td style="text-align: right;">MAY 1991</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR) ..</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR) ..</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td style="text-align: right;">JUN 1992</td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) N</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">40</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">70</td> </tr> <tr> <td>(c) Total Design Cost.....</td> <td style="text-align: right;">110</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">60</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">50</td> </tr> </table> <p>(4) Construction Start..... JAN 1994 month &amp; year</p>			(a) Design Start Date.....	MAY 1991	(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	100	(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	(d) Design Complete Date.....	JUN 1992	(a) Production of Plans and Specifications.....	40	(b) All Other Design Costs.....	70	(c) Total Design Cost.....	110	(d) Contract.....	60	(e) In-house.....	50
(a) Design Start Date.....	MAY 1991																			
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	100																			
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(e) In-house.....	50																			

1. COMPONENT  ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE  APRIL 1993	
3. INSTALLATION AND LOCATION  Tobyhanna Army Depot, Pennsylvania					
4. PROJECT TITLE  Water Pollution Abatement (DBOF)				5. PROJECT NUMBER  32876	
12. SUPPLEMENTAL DATA: (CONTINUED)					
B. Equipment associated with this project which will be provided from other appropriations:					
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>Or Requested</u>	Cost <u>(\$000)</u>		
None					

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	PAGE
South Carolina		Fort Jackson (TRADOC)			203
	3240	Operations Facility	1,100	1,100	205
	6936	Range Upgrade	1,600	1,600	208
		Subtotal For Fort Jackson PART I	\$ 2,700	2,700	
		* TOTAL MCA FOR South Carolina	\$ 2,700	2,700	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM					2. DATE APRIL 1993				
3. INSTALLATION AND LOCATION  Fort Jackson South Carolina			4. COMMAND  US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX  0.82				
6. PERSONNEL STRENGTH:										
PERMANENT			STUDENTS			SUPPORTED				
OFFICER ENLIST CIVIL			OFFICER ENLIST CIVIL			OFFICER ENLIST CIVIL			TOTAL	
A. AS OF 30 SEP 1992	575	3080	2010	13	12226	76	26	98	113	18,217
B. END FY 1999	608	3312	2787	237	13287	47	33	74	575	20,960
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE..... 52,304 AC										
B. INVENTORY TOTAL AS OF 30 SEP 1992..... 1,102,169										
C. AUTHORIZATION NOT YET IN INVENTORY..... 0										
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM..... 2,700										
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM..... 14,800										
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY)..... 0										
G. REMAINING DEFICIENCY..... 31,139										
H. GRAND TOTAL..... 1,150,808										
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:										
CATEGORY PROJECT						COST		DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE				(\$000)	START	COMPLETE		
141	3240	Operations Facility				1,100	03/1992	09/1993		
179	6936	Range Upgrade				1,600	01/1992	09/1993		
TOTAL						2,700				
9. FUTURE PROJECTS:										
CATEGORY						COST				
CODE	PROJECT TITLE				(\$000)					
A. INCLUDED IN THE FY 1995 PROGRAM:										
721	Whole Barracks Renewal				14,800					
TOTAL						14,800				
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE										
10. MISSION OR MAJOR FUNCTIONS:										
To provide logistical support and facilities for a U.S. Army training center for enlisted personnel and a U.S. Army reception station. Support of summer reserve training and military entrance processing station. Also support of U.S. Army hospital (435) and TO&E/TDA STRAF units.										





1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Jackson South Carolina</b>				4. PROJECT TITLE <b>Operations Facility</b>		
5. PROGRAM ELEMENT <b>91520A</b>		6. CATEGORY CODE <b>141</b>	7. PROJECT NUMBER <b>3240</b>		8. PROJECT COST (\$000) Auth      1,100 Approp    1,100	
<b>9. COST ESTIMATES</b>						
ITEM				U/M	QUANTITY	UNIT COST
<b>PRIMARY FACILITY</b>						<b>746</b>
CIDC Field Operation Building				SF	7,450	(689)
EMCS Connection				LS	--	(24)
IDS Installation				LS	--	(8)
Building Information Systems				LS	--	(25)
<b>SUPPORTING FACILITIES</b>						<b>258</b>
Electric Service				LS	--	(65)
Water, Sewer, Gas				LS	--	(21)
Paving, Walks, Curbs And Gutters				LS	--	(64)
Storm Drainage				LS	--	(27)
Site Imp(    68) Demo(       )				LS	--	(68)
Information Systems				LS	--	(13)
<b>ESTIMATED CONTRACT COST</b>						<b>1,004</b>
<b>CONTINGENCY PERCENT (5.00%)</b>						<b>50</b>
<b>SUBTOTAL</b>						<b>1,054</b>
<b>SUPERVISION, INSPECTION &amp; OVERHEAD (6.00%)</b>						<b>63</b>
<b>TOTAL REQUEST</b>						<b>1,117</b>
<b>TOTAL REQUEST (ROUNDED)</b>						<b>1,100</b>
<b>INSTALLED EQUIPMENT-OTHER APPROPRIATIONS</b>						<b>(48)</b>
10. Description of Proposed Construction      Construct a modified standard-design Criminal Investigations Division Command (CIDC) field operations building. Project includes administrative space; a polygraph suite; secured evidence repository; suspect isolation areas; duty agent suite; observation and interview areas with acoustic separation; photo identification and fingerprint room; property and supply storage and maintenance areas. Install an intrusion detection system (IDS). Connect to energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; lightning protection; sanitary and storm sewers; fire protection and alarm systems; access roads; paving, walks, curbs and gutters; parking; fencing; information systems; and site improvements. Heating and air conditioning (25 tons) will be provided by self-contained systems. Access for the handicapped will be provided.						
11. REQUIREMENT:      7,450 SF ADEQUATE:      NONE      SUBSTANDARD:      7,450 SF						
PROJECT:      Construct a modified standard-design CIDC field operations building. (Current Mission)						

1. COMPONENT		2. DATE
ARMY		APRIL 1993
FY 1994 MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION		
Fort Jackson, South Carolina		
4. PROJECT TITLE		5. PROJECT NUMBER
Operations Facility		3240
<p><u>REQUIREMENT:</u> This project is required to provide a field office for 13 personnel of the US Army Criminal Investigation Command. Since this unit converts from a Table of Distribution and Allowances (TDA) to Table of Organization and Equipment (TOE) combat support unit in FY 92, space is required for nine non-tactical vehicles, nine High Mobility Multi-Purpose Wheeled Vehicles (HMMWV), and Modified Table of Organization and Equipment (MTOE) for 26-man detachment.</p> <p><u>CURRENT SITUATION:</u> The CIDC Field Office at Fort Jackson is currently housed in three temporary World War II buildings. These facilities are approximately 40 years old, with an original life expectancy of approximately five years, and are not suitable for continued use because of unfavorable location, inadequate size, environmental and energy inefficient features, adverse health and safety conditions, and high maintenance and utility costs. These facilities are cold in the winter, and the lack of adequate contiguous space and mission unique space required for CID operations has an increasingly detrimental impact on the CIDC's mission. These buildings need to be demolished as soon as they are vacated.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, these structures will continue to deteriorate. Separation of victims, witnesses, and suspects will continue to consume an inordinate amount of time. A high probability of potential witnesses being seen by suspects and therefore withholding vital information will continue. Operational inefficiency will continue because major activities are located where space permits rather than where function directs. An excessive amount of time will be necessary to eliminate environmental factors on polygraph results. The present space arrangement and working conditions will continue to lower productivity and morale. The conversion to MTOE will exacerbate these problems.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		MAR 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		35
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		100



1. COMPONENT <b>ARMY</b>		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Jackson South Carolina</b>				4. PROJECT TITLE <b>Range Upgrade</b>			
5. PROGRAM ELEMENT <b>85796A</b>		6. CATEGORY CODE <b>179</b>		7. PROJECT NUMBER <b>6936</b>		8. PROJECT COST (\$000) Auth <b>1,600</b> Approp <b>1,600</b>	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							<b>1,356</b>
Modified Record Fire Range				LS	--	--	(1,353)
Building Information Systems				LS	--	--	(3)
<u>SUPPORTING FACILITIES</u>							<b>74</b>
Electric Service				LS	--	--	(18)
Storm Drainage				LS	--	--	(41)
Site Imp( 3) Demo( 7)				LS	--	--	(10)
Information Systems				LS	--	--	(4)
Fuel Oil Storage				LS	--	--	(1)
ESTIMATED CONTRACT COST							<b>1,430</b>
CONTINGENCY PERCENT (5.00%)							<b>72</b>
SUBTOTAL							<b>1,502</b>
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							<b>90</b>
TOTAL REQUEST							<b>1,592</b>
TOTAL REQUEST (ROUNDED)							<b>1,600</b>
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							<b>(354)</b>
10. Description of Proposed Construction Construct a standard-design, modified record fire range on existing ranges 11 and 12. Primary facilities include all construction within the perimeter of the range complex and include general instruction building, target emplacements with protective berms, control tower, information systems, operations and storage facility, weapons cleaning and ammunition dispensing shelters, latrines, covered mess, bleacher enclosure, flag pole, and foxholes. All buildings will be supplied with adequate lightning protection. Supporting facilities include all construction outside the perimeter of the range complex including fire protection, electric service, storm drainage, paving, fencing, access roads, parking, fuel-oil storage, information systems, and site improvements. Heating will be provided for the operations and storage facility by an oil-fired furnace. Air conditioning (1 ton) will be provided by a self-contained unit for the control tower. Demolish two outdated ranges and eight wood structures (2,146 SF) all within the footprint. Targetry will be provided by Other Procurement, Army (OPA).							
11. REQUIREMENT: 6 EA ADEQUATE: 1 EA SUBSTANDARD: 3 EA							
PROJECT: Construct a standard-design modified record fire range. (Current							

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Jackson, South Carolina		
4. PROJECT TITLE  Range Upgrade	5. PROJECT NUMBER  6936	
<p><u>PROJECT: (CONTINUED)</u></p> <p><u>Mission)</u></p> <p><u>REQUIREMENT:</u> This project is required to provide a site for integrating modern range equipment with Remoted Target Systems (RETS), to evaluate the individual soldier's ability to engage multiple targets in a time-constrained environment. This range will allow soldiers to fire on six of 14 Basic Rifle Marksmanship (BRM) Program of Instruction (POI) required for basic training. A standard automated record fire range allows for only three of the 14 periods. This RETS range will support 50 basic training companies with a FY 94 projected training load of 50,500 trainees. FY 96 training loads are not anticipated to vary significantly from the FY 94 levels. Additionally, the installation range will support 14 Advanced Individual Training (AIT) companies, including assigned/attached TO&amp;E units which total 5,940 military personnel, and an annual training load of 7,500 Reserve Component personnel.</p> <p><u>CURRENT SITUATION:</u> Fort Jackson does not now have a Modified Record Fire Range. The existing ranges are not constructed to current Army standards. Two of the ranges were constructed in 1941 and one in 1950. Basic Rifle Marksmanship (BRM) is now conducted on these outdated and maintenance-intensive ranges, plus one Automated Record Fire Range that is heavily used six days a week. Current systems have proven only marginally effective in improving BRM training.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, failing and outdated ranges will continue to be used, resulting in waste of vital training time and failure to properly and adequately train soldiers to acceptable proficiency levels. This installation has experienced an average of 65 down days per year due to maintenance problems on the BRM ranges over the past three years. Realistic training utilizing the latest technologies and methods will not be provided. Training schedules cannot be maintained. This lack of critical skills may directly affect battlefield survival. Efficient training practices and enhanced productivity will not be realized.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		



1. COMPONENT  <b>ARMY</b>	<b>FY 1994    MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION  <b>Fort Jackson, South Carolina</b>		
4. PROJECT TITLE  <b>Range Upgrade</b>	5. PROJECT NUMBER  <b>6936</b>	
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>JAN 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	<u>35</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	<u>100</u>	
(d) Design Complete Date.....	<u>SEP 1993</u>	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used	Savannah	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	<u>80</u>	
(b) All Other Design Costs.....	<u>48</u>	
(c) Total Design Cost.....	<u>128</u>	
(d) Contract.....	<u>96</u>	
(e) In-house.....	<u>32</u>	
(4) Construction Start..... <u>JAN 1994</u> month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>Cost</u> <u>Or Requested</u> <u>(\$000)</u>
Inf Target Mech	OPA	1994    214
Junction Box	OPA	1994    93
Night Muzzles Sim	OPA	1994    8
Range Control Stat	OPA	1994    33
Targets	OPA	1994    5
Info Sys - ISC	OPA	1994    1
	TOTAL	<u>354</u>

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION REQUEST		APPROPRIATION REQUEST	PAGE
	PROJECT NUMBER	PROJECT TITLE				
Texas		Fort Bliss (TRADOC)				213
	2255	Consolidated Maintenance Facility	14,000	14,000		215
		Subtotal For Fort Bliss PART I	\$ 14,000	14,000		
		Fort Hood (FORSCOM)				219
	22738	Whole Barracks Renewal	18,000	18,000		221
	22976	Cold/Dry Storage Facility	13,400	13,400		224
	31241	Tactical Equipment Shop	5,300	5,300		228
	33947	Test and Evaluation Support Facility	5,200	5,200		231
	37014	Close Combat Tactical Trainer Facility	7,500	7,500		234
		Subtotal For Fort Hood PART I	\$ 49,400	49,400		
		Fort Sam Houston (FORSCOM)				239
	5118	Multi-Purpose Family Service Center	4,351	4,351		241
		Subtotal For Fort Sam Houston PART I	\$ 4,351	4,351		
		* TOTAL MCA FOR Texas	\$ 67,751	67,751		



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993																									
3. INSTALLATION AND LOCATION  Fort Bliss Texas		4. COMMAND  US Army Training and Doctrine Command		5. AREA CONSTRUCTION COST INDEX  0.89																								
6. PERSONNEL STRENGTH:      PERMANENT                      STUDENTS                      SUPPORTED OFFICER ENLIST CIVIL   OFFICER ENLIST CIVIL   OFFICER ENLIST CIVIL   TOTAL A. AS OF 30 SEP 1992    1725   11706   3634    318   1743    0    415   361   630   20,532 B. END FY 1999            1600   10417   3876    362   1768    2    424   362   651   19,462																												
7. INVENTORY DATA (\$000) A. TOTAL ACREAGE.....    125,300 AC B. INVENTORY TOTAL AS OF 30 SEP 1992.....    1,899,121 C. AUTHORIZATION NOT YET IN INVENTORY.....    0 D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....    14,000 E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....    40,500 F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....    0 G. REMAINING DEFICIENCY.....    37,072 H. GRAND TOTAL.....    1,990,693																												
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM: <table border="0"> <thead> <tr> <th colspan="3">CATEGORY PROJECT</th> <th>COST</th> <th colspan="2">DESIGN STATUS</th> </tr> <tr> <th>CODE</th> <th>NUMBER</th> <th>PROJECT TITLE</th> <th>(\$000)</th> <th>START</th> <th>COMPLETE</th> </tr> </thead> <tbody> <tr> <td>214</td> <td>2255</td> <td>Consolidated Maintenance Facility</td> <td>14,000</td> <td>06/1992</td> <td>04/1993</td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL</td> <td>14,000</td> <td colspan="2"></td> </tr> </tbody> </table>					CATEGORY PROJECT			COST	DESIGN STATUS		CODE	NUMBER	PROJECT TITLE	(\$000)	START	COMPLETE	214	2255	Consolidated Maintenance Facility	14,000	06/1992	04/1993	TOTAL			14,000		
CATEGORY PROJECT			COST	DESIGN STATUS																								
CODE	NUMBER	PROJECT TITLE	(\$000)	START	COMPLETE																							
214	2255	Consolidated Maintenance Facility	14,000	06/1992	04/1993																							
TOTAL			14,000																									
9. FUTURE PROJECTS: <table border="0"> <thead> <tr> <th>CATEGORY</th> <th>PROJECT TITLE</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td colspan="3">A. INCLUDED IN THE FY 1995 PROGRAM:</td> </tr> <tr> <td>721</td> <td>Whole Barracks Renewal</td> <td>18,500</td> </tr> <tr> <td>721</td> <td>Whole Barracks Renewal</td> <td>22,000</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL</td> <td>40,500</td> </tr> <tr> <td colspan="3">B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE</td> </tr> </tbody> </table>					CATEGORY	PROJECT TITLE	COST (\$000)	A. INCLUDED IN THE FY 1995 PROGRAM:			721	Whole Barracks Renewal	18,500	721	Whole Barracks Renewal	22,000	TOTAL		40,500	B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE								
CATEGORY	PROJECT TITLE	COST (\$000)																										
A. INCLUDED IN THE FY 1995 PROGRAM:																												
721	Whole Barracks Renewal	18,500																										
721	Whole Barracks Renewal	22,000																										
TOTAL		40,500																										
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE																												
10. MISSION OR MAJOR FUNCTIONS: Provides support to the US Army Air Defense Center and School; William Beaumont Army Medical Center; US Army Sergeants Major Academy, and other tenant activities and units.																												

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Bliss Texas										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Bliss Texas				Consolidated Maintenance Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
85796A		214		2255		Auth 14,000 Approp 14,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							11,482
Vehicle Maintenance Shop GS				SF	110,744	90.34	(10,005)
Hardstand				SY	27,300	40.29	(1,100)
EMCS Connection				LS	--	--	(79)
IDS Installation				LS	--	--	(3)
Building Information Systems				LS	--	--	(295)
<u>SUPPORTING FACILITIES</u>							1,039
Electric Service				LS	--	--	(100)
Water, Sewer, & Gas				LS	--	--	(56)
Paving, Walks, Curbs, & Gutters				LS	--	--	(250)
Storm Drainage				LS	--	--	(116)
Site Imp( 387) Demo( )				LS	--	--	(387)
Information Systems				LS	--	--	(130)
ESTIMATED CONTRACT COST							12,521
CONTINGENCY PERCENT (5.00%)							626
SUBTOTAL							13,147
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							789
TOTAL REQUEST							13,936
TOTAL REQUEST (ROUNDED)							14,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(178)
10. Description of Proposed Construction							
Construct a consolidated tactical equipment shop to include: traveling bridge cranes; vehicle exhaust and other industrial air exhaust systems; compressed air, and petroleum, oils and lubricants (POL) product distributing system; fuel dispensing facilities; hardstand; battery charging facility; arms rooms with intrusion detection systems (IDS) rough-in (power conduit only); oil-water separators; fire sprinklers and alarm systems, and waste oil disposal system. Provide sensors, controls and wiring for connection to a future energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; security lighting; paving, walks, curbs and gutters; fencing; parking; storm drainage; information systems; and site improvements. Heating will be provided by self-contained natural gas-fired units and air conditioning (40 tons) will be provided by self-contained unit. Access for the handicapped will be provided.							
11. REQUIREMENT: 287,551 SF ADEQUATE: 104,487 SF SUBSTANDARD: 180,177 SF							
PROJECT: Construct a consolidated tactical equipment shop. (Current Mission)							
REQUIREMENT: This project is required to replace inadequate temporary maintenance facilities and consolidate the Directorate of Installation Support Logistics Maintenance operation. The facility is needed to provide direct and							

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Bliss, Texas		
4. PROJECT TITLE  Consolidated Maintenance Facility		5. PROJECT NUMBER  2255
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>general support maintenance for the US Army Air Defense School and units stationed at Fort Bliss. Direct and general support will be consolidated for armament, tactical vehicles, automotive, and special purpose equipment, resulting in a more efficient, economical and effective operation. This facility is currently receiving and must support 500 plus new weapons systems including: Bradley M3/2s, Avenger Fighting Vehicles, FASVs (Support Paladin), M109A6s (Paladin) and various trucks and light vehicles. With these new weapons systems, the maintenance activity will maintain over 51,700 components/items of equipment annually.</p> <p><u>CURRENT SITUATION:</u> Maintenance activities programmed to occupy this facility presently utilize 12 substandard buildings (11 temporary and one permanent). Due to space constraints, the tactical equipment repair, component repair, and tent and fabric repair shops are split up to operate out of two or more buildings several hundred feet apart. The wood frame buildings are not properly configured for modern equipment, cannot be adequately heated or cooled, are not energy efficient, and do not meet Occupational Safety and Health Administration (OSHA) requirements. The wood frame buildings and associated utilities require frequent and costly repairs. It is not economically feasible to remodel these World War II structures to accommodate modern tactical equipment and state-of-the-art maintenance methods. All 11 wooden buildings and the one permanent building will be demolished. The permanent building is only 54 SF and its location requires that it be demolished. The efficiency gained by consolidation will reduce requirements from 118,798 SF to 110,744 SF.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, maintenance of expensive and highly complex equipment will continue to be carried out in unsatisfactory and inefficient facilities, degrading maintenance support quality. Existing facilities will continue to deteriorate and expose personnel and equipment to adverse working conditions and safety hazards. The projected cost savings for repair, maintenance, and utilities alone is estimated to be \$135,000 annually. The savings for personnel consolidation and efficiency has not been quantified, but will occur.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not performed.</p>		

1. COMPONENT	2. DATE		
ARMY	APRIL 1993		
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Fort Bliss, Texas			
4. PROJECT TITLE	5. PROJECT NUMBER		
Consolidated Maintenance Facility	2255		
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....	JUN 1992		
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	60		
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100		
(d) Design Complete Date.....	APR 1993		
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....	656		
(b) All Other Design Costs.....	338		
(c) Total Design Cost.....	994		
(d) Contract.....			
(e) In-house.....	994		
(4) Construction Start..... JUN 1994			
month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
IDS Equipment	OPA	1994	5
Brake Analyzer	OPA	1994	35
Info Sys - ISC	OPA	1994	138
TOTAL			178

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Port Hood Texas	4. COMMAND  US Army Forces Command	5. AREA CONSTRUCTION COST INDEX  0.90

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED							
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	3603	28598	3365	0	404	0	49	106	204	36,329
B. END FY 1999	4763	39546	4116	0	223	0	38	99	204	48,989

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	216,923 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	2,937,910
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	49,400
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	45,400
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	80,827
H. GRAND TOTAL.....	3,113,537

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY	PROJECT	PROJECT TITLE	COST (\$000)	DESIGN STATUS	
	CODE	NUMBER		START	COMPLETE
	721	22738	Whole Barracks Renewal	18,000	06/1992 09/1993
	432	22976	Cold/Dry Storage Facility	13,400	09/1991 07/1993
	214	31241	Tactical Equipment Shop	5,300	01/1991 08/1993
	610	33947	Test and Evaluation Support Facility	5,200	01/1991 12/1992
	171	37014	Close Combat Tactical Trainer Facility	7,500	04/1992 01/1993
TOTAL			49,400		

9. FUTURE PROJECTS:		
CATEGORY	PROJECT TITLE	COST (\$000)
	CODE	
A. INCLUDED IN THE FY 1995 PROGRAM:		
	860	Railroad Track Loading Facility
	721	Whole Barracks Renewal
	211	Aviation Maintenance Facility
TOTAL		45,400
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:
Support and training of III Corps Headquarters and organizations assigned to III Corps, including 1st CAV Division. Ensure the most efficient utilization of resources to operate Fort Hood and accomplish all assigned





1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Hood Texas</b>			4. PROJECT TITLE <b>Whole Barracks Renewal</b>		
5. PROGRAM ELEMENT <b>22696A</b>	6. CATEGORY CODE <b>721</b>	7. PROJECT NUMBER <b>22738</b>	8. PROJECT COST (\$000) Auth      18,000 Approp    18,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITY</b>					
Rebuild Barracks	SF	170,200	59.00	14,544 (10,042)	
Company Operations	SF	50,975	55.00	(2,804)	
Arms Rooms	SF	5,000	82.00	(410)	
Asbestos Removal	LS	--	--	(1,131)	
IDS Installation	EA	10	1,500	(15)	
Building Information Systems	LS	--	--	(142)	
<b>SUPPORTING FACILITIES</b>					
Electric Service	LS	--	--	828 (234)	
Water, Sewer, Gas	LS	--	--	(171)	
Steam And/Or Chilled Water Distr	LS	--	--	(138)	
Paving, Walks, Curbs And Gutters	LS	--	--	(97)	
Storm Drainage	LS	--	--	(23)	
Site Imp( 100) Demo(      )	LS	--	--	(100)	
Information Systems	LS	--	--	(65)	
ESTIMATED CONTRACT COST				15,372	
CONTINGENCY PERCENT (10.0%)				1,537	
SUBTOTAL				16,909	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				1,015	
TOTAL REQUEST				17,924	
TOTAL REQUEST (ROUNDED)				18,000	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(71)	
10. Description of Proposed Construction      Modernize five barracks. Project includes living/sleeping room with private bath, dayroom, and storage. Remove existing walls, mechanical and electrical systems, piping and valves, water closets, and showers. The existing superstructure (columns and decks) will remain. Additional work includes replacement of roofs, doors, windows, ceiling and floor tile, paint, and asbestos removal. Exterior balconies will allow for a new exterior entrance to each room. Convert first floor of the barracks to company operations and supply. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; pavilions; storm drainage; information systems; and site improvements. Heating will be provided by gas-fired self-contained units and air conditioning (565 tons) will be provided by central energy systems. Transition maintenance for a one year period is included.					
11. REQUIREMENT:      17,576 PN ADEQUATE:      9,112 PN SUBSTANDARD:      10,154 PN					
PROJECT: Modernize five barracks to meet Whole Barracks Renewal Program Standard. (Current Mission)					

1. COMPONENT <b>ARMY</b>	<b>FY 1994      MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION <b>Fort Hood, Texas</b>		
4. PROJECT TITLE <b>Whole Barracks Renewal</b>		5. PROJECT NUMBER <b>22738</b>
<p><b>REQUIREMENT:</b> This project is required to continue modernizing existing barracks to provide adequate housing for 504 E1-E4 and 108 E5-E6 for a total of 612 enlisted personnel (720 maximum utilization). This project will replace utilities that are at the end of their economic life and provide a greatly improved quality-of-life environment for today's enlisted soldier. Significant shortfalls exist in company operations and supply space.</p> <p><b>CURRENT SITUATION:</b> There are 102 permanent barracks buildings on Fort Hood. The 37000 block consists of five barracks all of which are to be rebuilt. These barracks were constructed in FY 68 and FY 69 as troop billets and are now categorized as substandard, but may be made adequate. They include multiple person rooms and gang latrines with rapidly deteriorating mechanical, electrical and plumbing systems. The air conditioning system is inefficient and requires frequent repairs. The hot water system is unable to meet the demand at peak use times. These buildings are presently utilized at a total of 1,170 spaces. After rebuild, barracks capacity will be 144 spaces each, total 720 spaces. First floor space in barracks is currently being diverted for use as company level administrative purpose.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, outdated, inefficient utilities will continue to deteriorate. Current routine maintenance will not meet the heavy demands and major system failures will occur. Man hours expended for backlog maintenance and repair will continue to increase. Quality-of-life program goals for enlisted soldiers cannot be met without this barracks rebuild project. Also, shortfalls of company operations and supply requirements will continue to be met with diverted barracks space, resulting in inefficient administrative and storage capabilities.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. <b>SUPPLEMENTAL DATA:</b>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>JUN 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	<u>35</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	<u>100</u>	
(d) Design Complete Date.....	<u>OCT 1993</u>	
(2) Basis:		

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
ARMY			APRIL 1993
3. INSTALLATION AND LOCATION			
Fort Hood, Texas			
4. PROJECT TITLE		5. PROJECT NUMBER	
Whole Barracks Renewal		22738	
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....			900
(b) All Other Design Costs.....			90
(c) Total Design Cost.....			990
(d) Contract.....			
(e) In-house.....			990
(4) Construction Start.....			JAN 1994
			month & year
B. Equipment associated with this project which will be provided from other appropriations:			
Equipment	Procuring	Fiscal Year	Cost
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	
		<u>Or Requested</u>	<u>(\$000)</u>
IDS Equipment	OPA	1994	24
Info Sys - ISC	OPA	1994	47
		TOTAL	71

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Hood Texas				Cold/Dry Storage Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		432		22976		Auth 13,400 Approp 13,400	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							10,832
Cold-Storage Warehouse				SF	109,896	86.60	(9,518)
Concrete Hardstand				SY	25,000	38.50	(963)
Drilled Piers				LF	5,500	45.00	(248)
Building Information Systems				LS	--	--	(103)
<u>SUPPORTING FACILITIES</u>							1,285
Electric Service				LS	--	--	(235)
Water, Sewer, Gas				LS	--	--	(192)
Paving, Walks, Curbs And Gutters				LS	--	--	(421)
Storm Drainage				LS	--	--	(9)
Site Imp( 360) Demo( 49)				LS	--	--	(409)
Information Systems				LS	--	--	(19)
ESTIMATED CONTRACT COST							12,117
CONTINGENCY PERCENT (5.00%)							606
SUBTOTAL							12,723
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							763
TOTAL REQUEST							13,486
TOTAL REQUEST (ROUNDED)							13,400
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(56)
10. Description of Proposed Construction Construct two standard-design cold/dry storage warehouse facilities including temperature and humidity controlled storage, drilled piers, administration, receiving and issuing areas, and general support areas. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; security lighting; fire protection and alarm systems; access roads; vehicle maneuvering and parking areas; paving, walks, curbs and gutters; storm drainage; traffic signals; information systems; and site improvements. Access for the handicapped will be provided. Heating (gas-fired) and air conditioning (81 tons) will be provided by self-contained systems for the administration areas only. Demolish two buildings (19,143 SF) within the footprint.							
11. REQUIREMENT: 108,000 SF ADEQUATE: NONE SUBSTANDARD: 96,285 SF							
PROJECT: Construct two standard-design cold/dry storage warehouse facilities. (Current Mission)							
REQUIREMENT: This project was programmed before the Base Realignment and Closure (BRAC) 91 initiative as necessary to provide support for all units then identified at Fort Hood. It is especially needed now as a result of the 2d Armored Division (formerly the 5th Mechanized Infantry Division) being							

1. COMPONENT		2. DATE
ARMY		APRIL 1993
FY 1994 MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION		
Fort Hood, Texas		
4. PROJECT TITLE		5. PROJECT NUMBER
Cold/Dry Storage Facility		22976
<p><u>REQUIREMENT: (CONTINUED)</u></p> <p>relocated to Fort Hood as part of BRAC. This added division will place additional demands on this installation's ability to provide adequate subsistence support using existing inadequate facilities. The Department of Defense requires installations to maintain a 30-day supply of perishable foods. The lack of adequate cold storage requires large quantities of ice for perishable meats and vegetables from May through September each year to support the additional requirements of summer training periods. The proposed facilities must also provide adequate, secure storage for a 15-day supply of non-perishable food (A-Rations, T-Rations, and Meals Ready to Eat (MRE) Rations). Fort Hood has a requirement to store 1,019 pallets of dry MREs and 5,431 pallets of dry T-Rations.</p> <p><u>CURRENT SITUATION:</u> The Troop Issue Subsistence Activity (TISA) operates from both North Fort Hood (NFH) and South Fort Hood (SFH). Operations are conducted from five general purpose warehouses and one cold storage warehouse. The cold storage on SFH is in a state of advanced deterioration. The average loss of freon from the worn out refrigeration equipment is 3,000 pounds a year. Constant repairs require dedication of maintenance personnel. Because of the repeated breakdowns, rented refrigerated vans are used to store ice for perishable foods. Unsanitary conditions from mildew and bird feces have resulted in numerous health violations. The physical condition of the building has created serious safety concerns. Floors and docks are structurally inadequate, and foundation cracking and failures have limited the use of material handling equipment. NFH has no space specifically designed for dry storage warehousing and the cold storage warehouse was condemned in August 1989. NFH cold storage requirement is supported from SFH located 20 miles away. During the summer training period, NFH must augment this support by renting refrigerated vans from which to issue food. All five of the general purpose warehouses being used for dry storage are World War II temporary, wooden structures with inherent problems such as: mildew, cracked plaster, no insulation, broken door seals, bulging walls, and settling foundations. The need for consolidating TISA operations at two locations (NFH and SFH) remains. The 2d Division and other activities in garrison are supported at the SFH TISA operation. The NFH operation supports the 2d Division's field training and other training conducted in the north area.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, inadequate facilities will continue to expose warehouse personnel to significant safety hazards and military personnel to health risks from contaminated foods. Failure of the existing facility would virtually end or drastically curtail training and mission readiness for the entire installation. Continued dependence upon facilities which are improperly designed for current food handling equipment, undersized for current needs and impossible to sanitize, will perpetuate high food-handling labor costs and high exposure of employees and soldiers to illness and injury.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical</p>		



1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Hood, Texas		
4. PROJECT TITLE	5. PROJECT NUMBER	
Cold/Dry Storage Facility	22976	
<p><u>ADDITIONAL: (CONTINUED)</u></p> <p>security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	SEP 1991	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	50	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	JUL 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used	Fort McCoy	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	465	
(b) All Other Design Costs.....	185	
(c) Total Design Cost.....	650	
(d) Contract.....	185	
(e) In-house.....	465	
(4) Construction Start..... JAN 1994		
month & year		

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Hood, Texas		
4. PROJECT TITLE  Cold/Dry Storage Facility		5. PROJECT NUMBER  22976
12. SUPPLEMENTAL DATA: (CONTINUED) B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>Or Requested</u>
		Cost <u>(\$000)</u>
IDS Equipment	OPA	1994      41
Info Sys - ISC	OPA	1994      15
		TOTAL      56



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Hood Texas				Tactical Equipment Shop			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		214		31241		Auth 5,300 Approp 5,300	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							3,806
Vehicle Maintenance Facility				SF	15,550	89.71	(1,395)
Warehouse				SF	26,075	50.91	(1,327)
Sentry Station				SF	32	374.40	(12)
POL Storage Building				SF	355	84.83	(30)
Hardstand				SY	28,000	36.00	(1,008)
Building Information Systems				LS	--	--	(34)
<u>SUPPORTING FACILITIES</u>							993
Electric Service				LS	--	--	(159)
Water, Sewer, Gas				LS	--	--	(331)
Paving, Walks, Curbs And Gutters				LS	--	--	(219)
Storm Drainage				LS	--	--	(22)
Site Imp( 193) Demo( )				LS	--	--	(193)
Information Systems				LS	--	--	(69)
ESTIMATED CONTRACT COST							4,799
CONTINGENCY PERCENT (5.00%)							240
SUBTOTAL							5,039
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							302
TOTAL REQUEST							5,341
TOTAL REQUEST (ROUNDED)							5,300
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(11)
10. Description of Proposed Construction Construct a standard-design tactical equipment shop with scheduled maintenance facilities, a warehouse and storage facility, sentry station, roadway extension, and vehicle hardstand. Supporting facilities include utilities, electric service, security lighting and fencing, parking, curbs and gutters, access roads and extensions, fire protection and alarm systems, storm drainage, information systems, and site improvements. Access for the handicapped will be provided. Heating will be provided by gas-fired self-contained systems. Air conditioning (20 tons) will be provided for the office space and electronic repair areas.							
11. REQUIREMENT: 1,963,984 SF ADEQUATE: 1,011,511 SF SUBSTANDARD: 445,101 SF PROJECT: Construct a standard-design tactical equipment shop and warehouse. (Current Mission)							
REQUIREMENT: This project will provide permanent facilities for Test and Experimentation Command (TEXCOM) organization located at West Fort Hood, Texas. This project is required to provide TEXCOM with one tactical equipment maintenance facility and warehouse and storage facility. These facilities will supplement existing TEXCOM assets to include a research and development and headquarters building, administrative facilities and a warehouse and motor							

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Hood, Texas		
4. PROJECT TITLE  Tactical Equipment Shop		5. PROJECT NUMBER  31241
<p><u>REQUIREMENT: (CONTINUED)</u>          pool area. This project will support a portion of the military and civilian personnel assigned to TEXCOM. The tactical equipment shop will be used for the maintenance and storage of over 133 essential tactical vehicles and equipment. The warehouse facility will replace the use of ten earth-covered ammunition bunkers as storage and supply for TEXCOM. These ammunition storage facilities will be re-allocated for use by the Corps Support Command (COSCOM) ammunition supply point function.</p> <p><u>CURRENT SITUATION:</u> There are no tactical equipment shops available to support this organization's requirement. West Fort Hood is located approximately five miles from the main cantonment area. Existing tactical equipment shops at West Fort Hood are substandard and occupied above maximum capacity by TEXCOM and the 504th Military Intelligence (MI) Brigade. The one permanent maintenance facility supports the 504th MI Brigade's Aerial Exploitation Battalion (15th MI Battalion) ground support vehicles. Fort Hood currently has 51 percent of required base-wide tactical equipment shops and only 12 percent of required permanent warehouse facilities. Shortfalls in both categories are overcome by the continued use of World War II wood facilities and double occupancy of existing adequate facilities. No other Fort Hood facilities are available which can support this organization's test and experimentation requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, inefficient performance of maintenance and extended repair periods of test vehicles and equipment will continue. Test vehicles and equipment associated with the reconsolidation of the Test Directorate (Worldwide) to Fort Hood will lack adequate maintenance facilities. Lack of shops will have an adverse impact on the operational testing at TEXCOM.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a)	Design Start Date.....	JAN 1991
(b)	Percent Complete As Of 01 January 93 (BDGT YR) ..	50
(c)	Percent Complete As Of 01 October 93 (PROG YR) ..	100

1. COMPONENT	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Hood, Texas		
4. PROJECT TITLE		5. PROJECT NUMBER
Tactical Equipment Shop		31241
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(d) Design Complete Date.....		AUG 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):		(\$000)
(a) Production of Plans and Specifications.....		236
(b) All Other Design Costs.....		106
(c) Total Design Cost.....		342
(d) Contract.....		
(e) In-house.....		342
(4) Construction Start.....		JAN 1994
		month & year
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested
Cost (\$000)		
Info Sys - ISC	OPA	1994
		11
		TOTAL
		11

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Hood Texas</b>			4. PROJECT TITLE <b>Test and Evaluation Support Facility</b>		
5. PROGRAM ELEMENT <b>22696A</b>	6. CATEGORY CODE <b>610</b>	7. PROJECT NUMBER <b>33947</b>	8. PROJECT COST (\$000) Auth <b>5,200</b> Approp <b>5,200</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITY</b>					
Test Support Facility	SF	26,900	86.12	4,027 (2,317)	
Warehouse	SF	24,000	54.46	(1,307)	
Hardstand	SY	10,000	35.00	(350)	
Building Information Systems	LS	--	--	(53)	
<b>SUPPORTING FACILITIES</b>					
Electric Service	LS	--	--	660 (37)	
Water, Sewer, Gas	LS	--	--	(40)	
Paving, Walks, Curbs And Gutters	LS	--	--	(355)	
Storm Drainage	LS	--	--	(31)	
Site Imp( 140) Demo( )	LS	--	--	(140)	
Information Systems	LS	--	--	(57)	
ESTIMATED CONTRACT COST				4,687	
CONTINGENCY PERCENT (5.00%)				234	
SUBTOTAL				4,921	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				295	
TOTAL REQUEST				5,216	
TOTAL REQUEST (ROUNDED)				5,200	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(122)	
10. Description of Proposed Construction Construct a test support facility. Project includes administrative, instrumentation, and engineering areas; hardstand; conference rooms; break rooms; storage; and a separate structure for a warehouse. Supporting facilities include utilities; electric service; parking; security fencing and lighting; paving, walks, curbs and gutters; storm drainage; access roads; fire protection and alarm systems; information systems; and site improvements. Access for the handicapped will be provided. Heating will be provided by self-contained gas-fired systems. Air conditioning (85 tons) will be provided by a self-contained system.					
11. REQUIREMENT: 173,450 SF ADEQUATE: 146,550 SF SUBSTANDARD: 7,960 SF					
PROJECT: Construct a test support facility. (Current Mission)					
REQUIREMENT: This project is required to provide permanent facilities that will be used by the Test and Experimentation Command (TEXCOM) for administrative purposes only. These facilities will supplement existing TEXCOM assets of a modern research and development and headquarters building, administrative facilities, and semi-permanent warehouse/motor pool area. This project will support the 402 military and civilian personnel assigned to TEXCOM. The new facilities will be used to perform tests and evaluations of					

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Hood, Texas		
4. PROJECT TITLE	5. PROJECT NUMBER	
Test and Evaluation Support Facility	33947	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>new equipment and materials for the armed forces. The new warehouse facility will be used to house highly technical test equipment currently stored in inadequate earth-covered ammunition bunkers. This project has been reviewed in light of the Department of Defense (DOD) proposal to inactivate certain units and is still required at the stated scope.</p> <p><u>CURRENT SITUATION:</u> Fort Hood has an overall shortage of administrative space due to the requirements of the relocation of the 2d Armored Division (formerly the 5th Infantry Division). Specific to this project, administrative facilities at West Fort Hood are inadequate to support TEXCOM's mission to test and evaluate new equipment and materials. West Fort Hood is approximately five miles from the main cantonment area. Existing facilities are occupied above maximum capacity and temporary, substandard facilities augment TEXCOM's shortfalls.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, highly technical electronic test equipment associated with the reconsolidation of the Test Directorate (Worldwide) to Fort Hood (2,000 items) valued over \$50 million will be improperly stored, resulting in security and temperature problems. Performance will impact on the operational readiness of this command.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	JAN 1991	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	100	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	DEC 1992	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	231	

1. COMPONENT	<u>FY 1994</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Hood, Texas		
4. PROJECT TITLE		5. PROJECT NUMBER
Test and Evaluation Support Facility		33947
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(b) All Other Design Costs.....	104	
(c) Total Design Cost.....	335	
(d) Contract.....		
(e) In-house.....	335	
(4) Construction Start.....		JAN 1994
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>
		Cost <u>(\$000)</u>
Info Sys - ISC	OPA	1994
		122
		TOTAL
		122



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Hood Texas				Close Combat Tactical Trainer Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		171		37014		Auth 7,500 Approp 7,500	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							4,783
Regional A/L Battle Emulation				SF	43,800	95.25	(4,172)
Hardstand				SY	9,600	25.82	(248)
Tank Trail				SY	6,000	44.98	(270)
Emergency Generator				EA	1	26,000	(26)
EMCS Connection				LS	--	--	(5)
Building Information Systems				LS	--	--	(62)
<u>SUPPORTING FACILITIES</u>							1,941
Electric Service				LS	--	--	(510)
Water, Sewer, Gas				LS	--	--	(685)
Paving, Walks, Curbs And Gutters				LS	--	--	(221)
Storm Drainage				LS	--	--	(196)
Site Imp( 298) Demo( )				LS	--	--	(298)
Information Systems				LS	--	--	(31)
ESTIMATED CONTRACT COST							6,724
CONTINGENCY PERCENT (5.00%)							336
SUBTOTAL							7,060
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							424
TOTAL REQUEST							7,484
TOTAL REQUEST (ROUNDED)							7,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(15,004)
10. Description of Proposed Construction Construct a Regional Air/Land Battle Emulation Complex (RALBEC) to accommodate a Close Combat Tactical Trainer (CCTT) with 38 fixed tactical vehicle modules. Infrastructure development in this project will support future requirement of a subsequent tactical trainer fielding phase. This development includes utilities, road network, paving of adjacent tank trails and marshalling areas, gross site preparation, and drainage for the entire complex. The follow-on fielding of an additional company set of trainers will generate comparable utility loads and facility requirements as those in this initial phase. This project includes classrooms, briefing/debriefing area, current "state-of-the-art" audiovisual training rooms; administrative office space; storage areas for general, secure, and sensitive materials; spare parts, tool storage, repair and maintenance shop area; emergency generator; energy monitoring and control system (EMCS) tie in; computer floor; hardstand; and loading docks. Supporting facilities include utilities; electric service; security lighting, fencing and gates; paving, walks, curbs and gutters; parking; access road; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating (gas-fired) and air conditioning (175 tons) will be provided by self-contained systems.							



1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
		APRIL 1993	
3. INSTALLATION AND LOCATION			
Fort Hood, Texas			
4. PROJECT TITLE		5. PROJECT NUMBER	
Close Combat Tactical Trainer Facility		37014	
<p>11. REQUIREMENT: 43,800 SF ADEQUATE: NONE SUBSTANDARD: NONE</p> <p>PROJECT: Construct a Regional Air/Land Battle Emulation Complex. (New Mission)</p> <p>REQUIREMENT: This project is required to provide the initial facility of a two-facility complex to support the combined arms tactical training system. This facility will contain the primary training facility and equipment to provide a system to train and sustain individual and collective (crew through company task force) tasks and skills in command and control, communications, and maneuver, and to integrate the function of combat support and combat service support units. This is accomplished by using a group of fully interactive networked emulators and command, control and communications work stations, replicating the vehicles and weapons systems of a mechanized infantry or armor battalion task force and its supporting combat, combat support, and combat service support elements, operating on an emulated real-time battlefield. The development and acquisition of the CCTT is in the final stages. A facility must be provided in a timely manner to allow installation and testing of the first CCTT with initial operational capability scheduled in October 1996. The follow-on facility will expand the CCTT training capabilities to support a second company trainer system set. This subsequent phase (Project Number 40624) has yet to be programmed. The site selected for this complex is sufficient to accommodate the trainers currently being developed and the addition of future trainers and emulators.</p> <p>CURRENT SITUATION: This is a new Army/Department of Defense initiative; therefore, no facilities or equipment exist at Fort Hood that can provide or house this training system. Training of the individual to properly respond within the combined arms team is the keystone that will be emphasized and developed with this family of systems. Adequate existing facilities to support this mission are not available for this developing family of systems. Currently, tactical combined arms training is achieved by using tactical vehicles and soldiers in field training exercises. This method of training is expensive and equipment intensive, which reduces the operational life of the tactical equipment. Use of the combined arms tactical trainers provides an alternative to the use of tactical field exercises as the sole means to achieve totally trained forces.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, use of field exercise training events to train the soldier will continue. The present system of training is costly and relies on a diminishing base for funds and resources required for its support. As competition for funds intensifies, lower cost alternatives to augment and enhance field training must be developed. Continued use of "field" exercises places a high degree of wear on combat equipment for which funding is becoming more difficult to obtain. The use of a close combat tactical trainer system provides a highly effective training method at a lower cost, giving the Army tactical superiority in the battlefield environment. The emergency generator is required to operate the</p>			

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Hood, Texas		
4. PROJECT TITLE  Close Combat Tactical Trainer Facility		5. PROJECT NUMBER  37014
<p>IMPACT IF NOT PROVIDED: (CONTINUED)</p> <p>lift station in order to keep raw sewage from backing up into a local creek in event of power failure, causing environmental pollution and possible \$25,000/day fines.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a)	Design Start Date.....	JUL 1992
(b)	Percent Complete As Of 01 January 93 (BDGT YR) ..	40
(c)	Percent Complete As Of 01 October 93 (PROG YR) ..	100
(d)	Design Complete Date.....	AUG 1993
(2) Basis:		
(a)	Standard or Definitive Design - (YES/NO) N	
(b)	Where Design Was Most Recently Used	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a)	Production of Plans and Specifications.....	383
(b)	All Other Design Costs.....	67
(c)	Total Design Cost.....	450
(d)	Contract.....	400
(e)	In-house.....	50
(4) Construction Start..... JAN 1994		
month & year		

1. COMPONENT  ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Hood, Texas				
4. PROJECT TITLE  Close Combat Tactical Trainer Facility			5. PROJECT NUMBER  37014	
12. SUPPLEMENTAL DATA: (CONTINUED)				
B. Equipment associated with this project which will be provided from other appropriations:				
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)	
TRAINING DEVISE	NTSC	1994	15,000	
Info Sys - ISC	OPA	1994	4	
		TOTAL	15,004	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Port Sam Houston Texas		4. COMMAND  US Army Forces Command		5. AREA CONSTRUCTION COST INDEX  0.88

6. PERSONNEL STRENGTH:	PERMANENT		STUDENTS		SUPPORTED				
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL		
A. AS OF 30 SEP 1992	1642	2954	4258	1071	5515	44	133	138	2660 18,415
B. END FY 1999	1473	2558	4339	997	3503	36	133	166	3164 16,369

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	3,159 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	931,527
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	4,351
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	60,450
G. REMAINING DEFICIENCY.....	14,480
H. GRAND TOTAL.....	1,010,808

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY	PROJECT			COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE		(\$000)	START COMPLETE
730	5118	Multi-Purpose Family Service Center		4,351	07/1992 09/1993
TOTAL				4,351	

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A.	INCLUDED IN THE FY 1995 PROGRAM: NONE	
B.	PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE	

10. MISSION OR MAJOR FUNCTIONS:
Command and control Fort Sam Houston, its sub-installations and assigned or attached FORSCOM units or activities; provide support to activities within its geographical support area. Major activities on Fort Sam Houston include: HQ, Fifth U.S. Army; HQ, Health Services Command; AMEDD Center and School; Brooke Army Medical Center; and HQ 5th Recruiting Brigade. Camp Bullis sub-installation, in addition to its function as a reserve component training site, serves as a range and maneuver training area for active component AMEDD Center and School, Fort Sam Houston; 3287th Technical Squadron, Lackland AFB; and numerous units from Fort Hood.



1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION Fort Sam Houston Texas			4. PROJECT TITLE Multi-Purpose Family Service Center		
5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 730	7. PROJECT NUMBER 5118	8. PROJECT COST (\$000) Auth 4,351 Approp 4,351		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITY</b>					
Army Chapel	SF	19,940	111.25	3,388	
Child Development Center	SF	8,190	100.17	(2,218)	
Unusual Foundation	LS	--	--	(190)	
Playground w/Equip, Shed & Fence	LS	--	--	(117)	
Building Information Systems	LS	--	--	(43)	
<b>SUPPORTING FACILITIES</b>					
Electric Service	LS	--	--	522	
Water, Sewer, Gas	LS	--	--	(83)	
Paving, Walks, Curbs And Gutters	LS	--	--	(67)	
Storm Drainage	LS	--	--	(181)	
Site Imp( 56) Demo( )	LS	--	--	(25)	
Information Systems	LS	--	--	(56)	
				(110)	
ESTIMATED CONTRACT COST				3,910	
CONTINGENCY PERCENT (5.00%)				195	
SUBTOTAL				4,105	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				246	
TOTAL REQUEST				4,351	
TOTAL REQUEST (ROUNDED)				4,351	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(12)	
10. Description of Proposed Construction Construct a standard-design Army chapel with integral activity center for family counseling and a standard-design child development center (CDC), with raft/mat foundation. Supporting facilities include utilities; electric service; exterior lighting; fire protection and alarm systems; paving, walks, curbs and gutters; parking; access roads; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating (gas-fired) and air conditioning (130 tons) will be provided by self-contained systems.					
11. REQUIREMENT: 63,104 SF ADEQUATE: 34,974 SF SUBSTANDARD: 25,226 SF					
PROJECT: Construct a standard-design Army chapel with activity center and a standard-design child development center (99-child capacity). (Current Mission)					
REQUIREMENT: This project is required to meet the pressing needs of the northeast portion of Fort Sam Houston which is near the Watkins Terrace junior enlisted housing and the Fort Sam Houston National Cemetery. This will be a joint use facility for the Directorate of Personnel and Community Activities (DPCA) and the Post Chapel. The chapel and activity center are required to provide services such as family and individual counseling, parent skills					



1. COMPONENT		2. DATE
ARMY FY 1994 MILITARY CONSTRUCTION PROJECT DATA		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Sam Houston, Texas		
4. PROJECT TITLE		5. PROJECT NUMBER
Multi-Purpose Family Service Center		5118
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>workshop, stress management workshops for families and group workshops for families with medical crisis. This chapel will serve the junior enlisted personnel in the Watkins Terrace housing area and the military families in the civilian apartments. The need for family counseling near this housing area is critical during family crises, a very common occurrence within the junior enlisted families. There are no alternate facilities on or off the installation which could be used to satisfy this requirement.</p> <p><u>CURRENT SITUATION:</u> Watkins Terrace is a junior enlisted housing area located approximately five miles from the central post area and as a result is considered a separate part of Fort Sam Houston (FSH) installation. This area has approximately 1,125 residents with 225 children of child-care age. It also has the highest rate of family disturbances on post. This is an indicator of the urgent need for a family life program at this location. The chapel supporting this area was demolished in 1977 due to structural failure. Other chapels are five miles away and housed in temporary wooden buildings of the World War II era. They do not provide the comfort nor the atmosphere appropriate for their use as chapels. They are not insulated, the utilities are all antiquated, and they do not meet fire and safety codes for an assembly building. In 1998, FSH is projected to have 1,100 children of child-care age. This number is in accordance with the Army Stationing and Installation Plan (ASIP). Currently there are 303 child-care spaces available at FSH. Many families must use higher cost off-post child care facilities due to the lack of spaces on-post. The waiting list for on-post child care was 265 as of September 1992. Even with programmed strength reductions, the list is expected to remain above 200.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, chapel services and religious instruction will remain inaccessible to many junior enlisted families in Watkins Terrace, and morale and welfare will continue to deteriorate without the stabilizing presence of a chaplain. The religious education program will be cut by 40 percent because present religious education facilities are committed for disposal against the new child care and religious education center. Child care for the installation will suffer if the project is not completed; soldiers will have to find more costly child care in the civilian community, if available. It is projected that 200 children will still be on the waiting list for child care in 1993.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet</p>		



B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>(\$000)</u>
		<u>Or Requested</u>	
Info Sys - ISC	OPA	1994	9
Info Sys - PROP	OPA	1994	3
		TOTAL	12

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	PAGE
Utah		Dugway Proving Ground (AMC)			247
	16299	Life Sciences Test Facility	16,500	16,500	249
		Subtotal For Dugway Proving Ground PART I	\$ 16,500	16,500	
		Tooele Army Depot (AMC)			253
	40537	Treaty Verification Facility	1,500	1,500	255
		Subtotal For Tooele Army Depot PART I	\$ 1,500	1,500	
		* TOTAL MCA FOR Utah	\$ 18,000	18,000	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993																																													
3. INSTALLATION AND LOCATION  Dugway Proving Ground Utah	4. COMMAND  US Army Materiel Command		5. AREA CONSTRUCTION COST INDEX  1.00																																													
6. PERSONNEL STRENGTH: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th colspan="3">PERMANENT</th> <th colspan="3">STUDENTS</th> <th colspan="3">SUPPORTED</th> <th></th> </tr> <tr> <th></th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>A. AS OF 30 SEP 1992</td> <td>43</td> <td>109</td> <td>800</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>1</td> <td>568</td> <td>1,522</td> </tr> <tr> <td>B. END FY 1999</td> <td>35</td> <td>91</td> <td>745</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>673</td> <td>1,545</td> </tr> </tbody> </table>						PERMANENT			STUDENTS			SUPPORTED					OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL	A. AS OF 30 SEP 1992	43	109	800	0	0	0	1	1	568	1,522	B. END FY 1999	35	91	745	0	0	0	1	0	673	1,545
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B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE																																																
10. MISSION OR MAJOR FUNCTIONS: <p style="margin-left: 20px;">a. Test and Evaluation: 1. Plan, conduct, evaluate and report the results of developmental type tests, following integrated testing cycle policies, to assess the military value of chemical warfare and biological defense systems (CW/BO), and flame incendiary and smoke obscurant systems. 2. Provide advice, guidance and support to material developers, material producers, other armed forces components, and to private industry. 3. Conduct additional testing and evaluation as directed by the Commanding General, TECOM.</p>																																																

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Dugway Proving Ground                      Utah										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td>(5000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td>0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td>0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td>0</td> </tr> </table>				(5000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(5000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE	
ARMY				APRIL 1993	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
Dugway Proving Ground Utah			Life Sciences Test Facility		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
65601A		319	16299	Auth 16,500 Approp 16,500	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					14,111
Life Sciences Laboratory		SF	32,000	351.69	(11,254)
Aerosol Chamber		LS	--	--	(2,025)
Emergency Generator		KW	400	422.50	(169)
IDS Installation		LS	--	--	(76)
Sewage Lagoon		KG	8	37,500	(300)
Building Information Systems		LS	--	--	(287)
<u>SUPPORTING FACILITIES</u>					605
Electric Service		LS	--	--	(67)
Water, Sewer, Gas		LS	--	--	(75)
Paving, Walks, Curbs, And Gutter		LS	--	--	(66)
Site Imp( 92) Demo( 40)		LS	--	--	(132)
Information Systems		LS	--	--	(214)
UG Fuel Storage/Pump & Piping		LS	--	--	(51)
ESTIMATED CONTRACT COST					14,716
CONTINGENCY PERCENT (5.00%)					736
SUBTOTAL					15,452
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					927
TOTAL REQUEST					16,379
TOTAL REQUEST (ROUNDED)					16,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(237)
10. Description of Proposed Construction      Construct a central test facility with areas for administrative and general laboratory support, and biological defense testing under strict containment. Special requirements include an aerosol chamber, incinerator, breathable air system, emergency generator, special ventilation to maintain directional airflow into containment suites, and a treatment system for contaminated liquid waste. Asbestos removal is required. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; underground (UG) fuel storage; security fencing and gates; sewage pump station; paving, walks, curbs and gutters; information systems; and site improvements. Access for the handicapped will be provided for administrative areas only. Process steam will be provided by a self-contained oil-fired boiler. Heating and air conditioning will be provided by ground coupled heat pump. Non-laboratory area will be cooled by evaporative cooling. Demolish three buildings (2,260 SF) (within the footprint) with asbestos removal.					
11. REQUIREMENT:      32,000 SF ADEQUATE:      NONE      SUBSTANDARD:      60,332 SF					
PROJECT:      Construct a Life Sciences Test (LST) facility. (Current Mission)					

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Dugway Proving Ground, Utah		
4. PROJECT TITLE  Life Sciences Test Facility	5. PROJECT NUMBER  16299	
<p><u>REQUIREMENT:</u> The Life Sciences Test Facility (LSTF) will be the Department of Defense (DOD) test center for the evaluation of biological defense material including biodetection, protection, and decontamination systems. This project is required to provide a facility complying with regulatory, statutory and environmental constraints and approved practices. Biological defense material will be evaluated in a contained laboratory setting using simulants and potential biological warfare agents. Safe testing of materials requiring Bio-safety Level 3 containment is necessary. The extent of allowable testing is based on the bio-safety levels (four) as defined by the Centers for Disease Control/National Institutes of Health. The new facility will house and support the aerosol chamber.</p> <p><u>CURRENT SITUATION:</u> Existing laboratory testing and support facilities for biological defense and life sciences testing functions are located in a complex of 24 buildings constructed in the early 1950s. Dugway Proving Ground is the only Department of Defense materiel test site for all biological and chemical detection, decontamination and protective equipment, as well as smoke and obscurants. Facilities minimally meet current standards, but are significantly deteriorated from years of underfunding. These facilities are not economically repairable, and require constant high cost maintenance. Current activities require Bio-safety Level 3 testing. Facilities are not energy efficient and consume 13 percent of the total energy used at Dugway Proving Ground. No other DOD activity exists that has the facilities and/or capabilities to perform Dugway's mission in biological defense testing.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, continued facilities deterioration could force reversion to a bio-safety Level 2 test program, severely limiting laboratory practices. Interim upgrades have been made to the existing facilities which allow some Level 3 testing. However, these upgrades experience frequent breakdowns, compromising the ability to maintain a Level 3 program. If the Level 3 program cannot be maintained, testing of defensive materials against threat materials of a biological origin would have to be severely curtailed. This would raise questions as to the validity of the National Biological Safety Program and the defensive protection provided United States service members.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Dugway Proving Ground, Utah		
4. PROJECT TITLE		5. PROJECT NUMBER
Life Sciences Test Facility		16299
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		NOV 1990
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		35
(c) Percent Complete As Of 01 October 93 (PROG YR)..		85
(d) Design Complete Date.....		FEB 1994
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		960
(b) All Other Design Costs.....		640
(c) Total Design Cost.....		1,600
(d) Contract.....		1,050
(e) In-house.....		550
(4) Construction Start..... APR 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested    Cost (\$000)
IDS Equipment	RDT&E	1995                  30
Lab Furniture	RDT&E	1995                  147
Info Sys - ISC	OPA	1994                  8
Info Sys - PROP	RDT&E	1994                  53
TOTAL		238



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION  Tooele Army Depot Utah			4. COMMAND  US Army Materiel Command				5. AREA CONSTRUCTION COST INDEX  1.02	

6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	13	25	3254	0	0	0	2	12	92	3,398
B. END FY 1999	12	18	2940	0	0	0	2	15	92	3,079

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	24,735 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	869,470
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	1,500
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	161,000
H. GRAND TOTAL.....	1,031,970

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY PROJECT				COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE		(\$000)	START COMPLETE
216	40537	Treaty Compliance Facility		1,500	06/1992 12/1992
TOTAL				1,500	

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM: NONE		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

<p>10. MISSION OR MAJOR FUNCTIONS:</p> <p>The principal mission of Tooele Army Depot is to operate a supply and maintenance depot providing for the receipt, storage, issue, maintenance, and disposal of assigned commodities. Commodities include automotive, construction, rail and general equipment, missile systems, commodity groups, conventional and chemical munitions, and general supplies. Design, manufacture and testing of ammunition peculiar equipment also performed. Installation support to attached organizations and Depot Activities provided. Demilitarization of chemical agents carried out in a prototype plant.</p>
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1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Tooele Army Depot                      Utah										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Tooele Army Depot Utah</b>			4. PROJECT TITLE <b>Treaty Verification Facility</b>		
5. PROGRAM ELEMENT <b>85796A</b>	6. CATEGORY CODE <b>216</b>	7. PROJECT NUMBER <b>40537</b>	8. PROJECT COST (\$000) Auth <b>1,500</b> Approp <b>1,500</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITY</b>					
Office/Storage Space	SF	1,680	291.00	1,217 (38)	
Laboratory	SF	840	867.00	(728)	
<b>SUPPORTING FACILITIES</b>					
Electric Service	LS	--	--	151 (38)	
Water, Sewer, Gas	LS	--	--	(45)	
Paving, Walks, Curbs And Gutters	LS	--	--	(23)	
Storm Drainage	LS	--	--	(8)	
Site Imp( 15) Demo( )	LS	--	--	(15)	
Information Systems	LS	--	--	(22)	
ESTIMATED CONTRACT COST				1,368	
CONTINGENCY PERCENT (5.00%)				68	
SUBTOTAL				1,436	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				86	
TOTAL REQUEST				1,522	
TOTAL REQUEST (ROUNDED)				1,500	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(4,618)	
10. Description of Proposed Construction Expand United States (US) Chemical Stockpile Disposal Program (CSDP) facilities to meet US obligations under the Draft Bilateral Protocol (26 March 1991) implementing the Agreement Between the United States of America and the Union of Soviet Socialist Republics on Destruction and Non-Production of Chemical Weapons and on Measures to Facilitate the Multilateral Convention Banning Chemical Weapons which was signed by President Bush and then President Gorbachev on 1 June 1990. Work includes constructing office/storage and laboratory space for use by non-US inspectors and their associated US escorts. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; storm drainage; information systems; and site improvements. Heating and air conditioning size will be provided.					
11. REQUIREMENT: 2,520 SF ADEQUATE: NONE SUBSTANDARD: NONE					
PROJECT: Construct office and laboratory space which will be used by non-US chemical weapons destruction inspectors and their associated US On-Site Inspection Agency Escorts. (New Mission)					

1. COMPONENT		2. DATE
ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	APRIL 1993
3. INSTALLATION AND LOCATION		
Tooele Army Depot, Utah		
4. PROJECT TITLE		5. PROJECT NUMBER
Treaty Verification Facility		40537
<p><b>REQUIREMENT:</b> This project is required to satisfy compliance requirements contained in the Draft Bilateral Protocol (26 March 1991). Specifically paragraph I.D.3(a)(ii) of the Draft Protocol requires the Inspected Party to provide work, office and storage space for the inspectors. According to the Arms Control and Disarmament Agency and the Assistant Secretary of Defense, Multilateral Negotiations, the inspector laboratory area is considered a special form of work space which must be provided by the Inspected Party. Inspector office space is provided diplomatic immunity and must therefore be separate from the escort office space. A maximum of 30 non-US inspectors and approximately 15 US escorts from the On-Site Inspection Agency, over a 24-hour period, will be involved with verifying the destruction of chemical weapons at US CSDP facilities. Destruction verification is expected to begin no earlier than March 1995 at the Johnston Atoll Chemical Agent Munition Disposal Systems (JACADS) and the Tooele Chemical Agent Disposal Facility (TOCDF). Inspection at the remaining US CSDP facilities will begin approximately three months before the start of toxic (chemical weapon destruction) operations.</p> <p><b>CURRENT SITUATION:</b> There are currently no provisions for inspector/escort office or laboratory space at US CSDP facilities. There is insufficient space at the disposal facility laboratory to accommodate inspector or US analysis of chemical agent samples or other treaty authorized analytical or monitoring procedures.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the US will not be able to meet its obligations under the draft Bilateral and Multilateral chemical weapons Disarmament Agreements.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a)	Design Start Date.....	JUN 1992
(b)	Percent Complete As Of 01 January 93 (BDGT YR) ..	100
(c)	Percent Complete As Of 01 October 93 (PROG YR) ..	100
(d)	Design Complete Date.....	DEC 1992
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		



DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)		AUTHORIZATION		APPROPRIATION	PAGE
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST		
Virginia		Fort Belvoir (MDW)				261
	9161	Operations Facility	860	860		263
		Subtotal For Fort Belvoir PART I	\$ 860	860		
		Fort Lee (TRADOC)				267
	2571	Whole Barracks Renewal	20,000	20,000		269
	2580	Applied Instruction Facility	12,600	12,600		272
		Subtotal For Fort Lee PART I	\$ 32,600	32,600		
		Fort Myer (MDW)				275
	33965	Whole Barracks Renewal	6,800	6,800		277
		Subtotal For Fort Myer PART I	\$ 6,800	6,800		
		* TOTAL MCA FOR Virginia	\$ 40,260	40,260		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Fort Belvoir Virginia	4. COMMAND  US Army Military District of Washington	5. AREA CONSTRUCTION COST INDEX  1.05

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL TOTAL
A. AS OF 30 SEP 1992	726 1932 5655	460 1237 332	341 439 2105 13,227
B. END FY 1999	727 1711 5114	338 1082 489	457 470 5995 16,383

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	8,656 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,591,639
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	860
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	122,568
H. GRAND TOTAL.....	1,715,067

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:			
CATEGORY	PROJECT	COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000) START COMPLETE
141	9161	Operations Facility	860 04/1992 06/1993
		TOTAL	860

9. FUTURE PROJECTS:			
CATEGORY	PROJECT	COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000) START COMPLETE
A. INCLUDED IN THE FY 1995 PROGRAM: NONE			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE			

10. MISSION OR MAJOR FUNCTIONS:	
<p>Fort Belvoir is undergoing a transition from a "training" post to a "command and control" post. Formerly the home of the Engineer School, Fort Belvoir in the future will support a number of units, organizations, and activities moving from other locations within the National Capitol Region.</p>	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	
	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Belvoir Virginia				Operations Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
91520A		141		9161		Auth 860 Approp 860	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							675
Field Operations Building				SF	6,185	108.87	(673)
IDS Installation				LS	--	--	(1)
Building Information Systems				LS	--	--	(1)
<u>SUPPORTING FACILITIES</u>							94
Electric Service				LS	--	--	(13)
Water, Sewer, & Gas				LS	--	--	(10)
Paving, Walks, Curbs & Gutters				LS	--	--	(30)
Storm Drainage				LS	--	--	(5)
Site Imp( 30) Demo( )				LS	--	--	(30)
Information Systems				LS	--	--	(6)
ESTIMATED CONTRACT COST							769
CONTINGENCY PERCENT (5.00%)							38
SUBTOTAL							807
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							48
TOTAL REQUEST							855
TOTAL REQUEST (ROUNDED)							860
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(19)
10. Description of Proposed Construction Construct a standard-design, specialized Criminal Investigations Division Command (CIDC) field operations building. Project includes operational space; specialized mission support areas to include a polygraph suite with acoustic isolation and environmental controls, evidence repository with security requirements for storage of drug and perishable evidence, suspect isolation areas, duty agents' screening room, observation and interview areas with acoustic separation, photo identification and fingerprint room, issue supply area, storage, and supply and property maintenance areas. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; paving, walks, curbs and gutters; parking; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating (oil-fired) and air conditioning (20 tons) will be provided by self-contained systems.							
11. REQUIREMENT: 6,185 SF ADEQUATE: NONE SUBSTANDARD: 7,722 SF							
PROJECT: Construct a standard-design specialized field operations building. (Current Mission)							

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Belvoir, Virginia		
4. PROJECT TITLE  Operations Facility	5. PROJECT NUMBER  9161	
<p><b>REQUIREMENT:</b> This project is required to provide adequate operating facilities for the 11 personnel working in a Resident Agency, a criminal investigative field office of the US Army Criminal Investigations Division Command (USACIDC). This organization requires a facility with special purpose space to perform its mission. Examples are a polygraph room and an evidence depository. No facilities on or off the installation can properly satisfy the requirement, and the currently used buildings need to be scheduled for demolition.</p> <p><b>CURRENT SITUATION:</b> The USACIDC activity at Fort Belvoir is a separate tenant activity that has occupied the same two temporary wooden structures since 1977 or earlier. These two structures were built in 1941 and 1942 as a troop barracks and a dining facility. Neither building has undergone major renovations since 1977 with the exception of the addition of air conditioners in 1986. These facilities do not meet current standards for a USACIDC Field Office. The lack of sufficient space, inadequate environmental factors (heat, light, and air conditioning), and insufficient buffered areas for CIDC operations has an increasingly detrimental impact on the criminal investigation mission to the point where the organization can no longer operate efficiently. Neither building is considered economical to heat, cool, nor maintain and will be demolished as soon as vacated.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the structure will remain functionally unchanged. Proper separation of victims, witnesses and suspects will continue to consume an inordinate amount of time. Suspects will be likely to see potential witnesses (informants), thus increasing the possibility that vital information will be withheld because confidentiality cannot be assured. Operational efficiency will continue to suffer because major activities are located where space permits rather than where functional responsibilities direct. An excessive amount of time will be necessary to eliminate environmental factors on polygraph results. The polygraph area must be soundproof and draft free to ensure that subjects are not responding to noises and that body changes are not caused by drafts. Additional time and effort are necessary to verify results. The present crowded conditions will continue to lower morale, productivity, and efficiency, which hampers mission accomplishment. Poor facilities diminish from the investigators' ability to apprehend criminals.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Belvoir, Virginia		
4. PROJECT TITLE		5. PROJECT NUMBER
Operations Facility		9161
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		APR 1992
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		40
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		100
(d) Design Complete Date.....		JUN 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		49
(b) All Other Design Costs.....		145
(c) Total Design Cost.....		194
(d) Contract.....		103
(e) In-house.....		91
(4) Construction Start..... DEC 1993		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested
		Cost (\$000)
IDS Equipment	OPA	1994
Info Sys - ISC	OPA	1994
		TOTAL
		19

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Fort Lee Virginia	4. COMMAND  US Army Training and Doctrine Command	5. AREA CONSTRUCTION COST INDEX  0.87

6. PERSONNEL STRENGTH:										
PERMANENT			STUDENTS			SUPPORTED				
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	698	2651	3013	689	3881	541	69	40	1770	13,352
B. END FY 1999	616	2322	2971	558	4004	336	68	40	1773	12,688

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	5,575 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	673,048
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	32,600
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	40,977
H. GRAND TOTAL.....	746,625

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:			
CATEGORY PROJECT		COST	DESIGN STATUS
CODE	NUMBER PROJECT TITLE	(\$000)	START COMPLETE
721	2571 Whole Barracks Renewal	20,000	12/1992 04/1994
171	2580 Applied Instruction Facility	12,600	02/1992 06/1993
TOTAL		32,600	

9. FUTURE PROJECTS:	
CATEGORY	COST
CODE PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM: NONE	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE	

10. MISSION OR MAJOR FUNCTIONS:
Provides support and facilities for the US Army Combined Arms Support Command, the US Army Quartermaster Center and School, US Army Logistics Management College, Defense Commissary Agency, major combat support forces and other tenant activities, support reserve components and other satellite activities and units. Provides support and facilities for the US Army Quartermaster Center and School, US Army Logistics Management Center, major combat and combat support forces and other tenant activities, support reserve components and other satellited activities and units.



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Lee Virginia				Whole Barracks Renewal			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
85796A		721		2571		Auth 20,000 Approp 20,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>							17,135
Barracks Modernization				SF	194,382	60.70	(11,799)
Co/Bn Operations Facility				SF	43,200	72.10	(3,115)
Dining Facility				SF	16,412	130.43	(2,141)
Building Information Systems				LS	--	--	(80)
<b>SUPPORTING FACILITIES</b>							746
Electric Service				LS	--	--	(155)
Water, Sewer, Gas				LS	--	--	(55)
Paving, Walks, Curbs And Gutters				LS	--	--	(347)
Storm Drainage				LS	--	--	(22)
Site Imp( 141) Demo( )				LS	--	--	(141)
Information Systems				LS	--	--	(26)
ESTIMATED CONTRACT COST							17,881
CONTINGENCY PERCENT (8.00%)							1,430
SUBTOTAL							19,311
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,159
TOTAL REQUEST							20,470
TOTAL REQUEST (ROUNDED)							20,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(44)
10. Description of Proposed Construction							
<p>Modernize and reconfigure two barracks. Project includes living/sleeping room, bath, two walk-in closets, dayroom, television room, storage, laundry room, separate entrances, and upgrade finishes. Construct a company/battalion (Co/Bn) operations facility and a standard-design dining facility. Work includes upgrade of electric systems, wall and roof insulation, flooring, painting, ceilings, windows, and air conditioning. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs, and gutters; parking; storm drainage; information systems; and site improvements. Access for the handicapped will be provided in the administrative area and dining facility only. Heating will be provided by a gas-fired boiler. Air conditioning: 600 tons.</p>							
11. REQUIREMENT: 4,370 PN ADEQUATE: 929 PN SUBSTANDARD: 1,940 PN							
PROJECT: Modernize and reconfigure two barracks to meet the Whole Barracks Renewal Program Standard. Construct a battalion/company operations facility and a standard-design dining facility. (Current Mission)							



1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Fort Lee, Virginia			
4. PROJECT TITLE		5. PROJECT NUMBER	
Whole Barracks Renewal		2571	
<p><u>REQUIREMENT:</u> This project is required to provide improvements to two existing barracks, consolidate battalion/company administrative functions, and provide adequate centralized dining facilities. Under the Whole Barracks Renewal Program improvements will provide better living conditions with the installation of air conditioning and improved dining facilities for the personnel living in these barracks. Intended and maximum utilization is 648 personnel.</p> <p><u>CURRENT SITUATION:</u> Built in the 1950s, the existing buildings do not meet current facility standards. The dining facilities have deteriorated and do not conform to modern Army standards. Improvements are needed to enhance the management and daily operation of the dining facilities. Barracks and dining facilities presently lack air conditioning. Most of the soldiers sleep in open-bays and the latrines and showers are communal for the entire wing, requiring some soldiers to walk through the administrative wing to use the latrine or shower. The current barracks provide spaces for 700 personnel.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, food service will not provide effective, efficient and economical service in support of the soldier. Facilities will progressively deteriorate until a costly, emergency upgrade project is required. Living conditions for the Advanced Individual Training (AIT) students will deteriorate, adversely affecting troop morale and decreasing career attractiveness. Soldiers will continue to suffer from lack of air conditioning and inadequate ventilation, and the latrine and shower areas will be damaged by constant mildew and moisture due to inadequate ventilation. Open bays and shared latrines and showers will continue to be the norm for most soldiers at Fort Lee, despite the Army's efforts to improve living conditions in the barracks.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....		DEC 1992	
(b) Percent Complete As Of 01 March 93 (BDGT YR)....		35	
(c) Percent Complete As Of 01 October 93 (PROG YR)...		50	
(d) Design Complete Date.....		APR 1994	
(2) Basis:			



1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Lee, Virginia		
4. PROJECT TITLE		5. PROJECT NUMBER
Whole Barracks Renewal		2571
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		719
(b) All Other Design Costs.....		426
(c) Total Design Cost.....		1,145
(d) Contract.....		895
(e) In-house.....		250
(4) Construction Start.....		JUL 1994
		month & year
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u> Cost (\$000)
Info Sys - ISC	OPA	0000      44
		TOTAL      44

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Lee Virginia				Applied Instruction Facility			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
85796A		171		2580		Auth 12,600 Approp 12,600	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							10,550
Applied Instruction Classrooms				SF	125,660	80.72	(10,143)
EMCS Connection				LS	--	--	(111)
Building Information Systems				LS	--	--	(296)
<u>SUPPORTING FACILITIES</u>							797
Electric Service				LS	--	--	(71)
Water, Sewer, & Gas				LS	--	--	(20)
Paving, Walks, Curbs & Gutters				LS	--	--	(213)
Storm Drainage				LS	--	--	(48)
Site Imp( 335) Demo( )				LS	--	--	(335)
Information Systems				LS	--	--	(110)
ESTIMATED CONTRACT COST							11,347
CONTINGENCY PERCENT (5.00%)							567
SUBTOTAL							11,914
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							715
TOTAL REQUEST							12,629
TOTAL REQUEST (ROUNDED)							12,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(78)
10. Description of Proposed Construction Construct an automated supply training facility, with 30 applied instruction classrooms, administrative space for two training divisions, supply room with an issue point, a publications facility, breakrooms and latrines. Connect to energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; fire sprinklers and alarm systems; paving, walks, curbs and gutters; storm drainage; information systems; and site improvements. Heating and air conditioning (600 tons) will be provided by a self-contained system. Access for the handicapped will be provided.							
11. REQUIREMENT: 629,114 SF ADEQUATE: 163,102 SF SUBSTANDARD: 185,757 SF PROJECT: Construct an automated supply training facility. (Current Mission) REQUIREMENT: This project is required to provide an adequate training facility for 8,000 officers, noncommissioned officers, and enlisted students of the Quartermaster School attending supply training in Materiel Control and Accounting Specialist, Advanced Individual Training (AIT), Basic Noncommissioned Officer Courses (BNCOC), and Advanced Noncommissioned Officer Courses (ANCOC). The allocation of the 125,660 SF for this project is as follows: 30 individual 2,400 SF classrooms supporting 40 students each (total							

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Port Lee, Virginia		
4. PROJECT TITLE	5. PROJECT NUMBER	
Applied Instruction Facility	2580	
<p><u>REQUIREMENT: (CONTINUED)</u></p> <p>72,000 SF). Administrative space for 126 personnel at 128 SF per person (total 16,128 SF), supply and central publication storage (total 6,000 SF), student break area (total 3,600 SF), latrines (total 2,000 SF), and circulation and mechanical (total 25,932 SF).</p> <p><u>CURRENT SITUATION:</u> The training and administrative functions are presently occupying space in 26 buildings located around the installation. The buildings are a mixture of temporary World War II construction, semi-permanent construction, and small permanent facilities. Most of the temporary and semi-permanent facilities are substandard and inhibit the proper training of the soldiers. The loss of valuable training time, due to marching students to and from the various facilities, and the lack of adequate heating and cooling in the temporary facilities is costly. Additionally, the lack of efficiency created by having the administrative support, training facilities, and instructor preparation areas scattered around Fort Lee reduces the ability of the school to devote maximum effort to training. The Quartermaster School is currently accredited by the Southern Association of Colleges, which requires a reevaluation of facilities and instructional programs every five years. Part of the requirement for continued accreditation is a positive program for improvement of facilities and the replacement of obsolete, inadequate facilities. The most recent accreditation expressed concern over the condition of the temporary buildings, and was granted partially because of programmed projects -- such as this one -- to modernize the teaching facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the Quartermaster School will continue to use the existing substandard facilities to train the soldiers in this specialty. The ability of the Army to properly train specialists in the rapidly advancing field of supply automation systems will be adversely impacted due to loss of training time and the scattered location of training and support facilities. Additionally, if the Quartermaster School loses its accreditation, soldiers will no longer receive advanced education credits for the training they receive at Fort Lee, and retention/reenlistment may be affected.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		

1. COMPONENT	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Lee, Virginia		
4. PROJECT TITLE		5. PROJECT NUMBER
Applied Instruction Facility		2580
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	FEB 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	JUN 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	613	
(b) All Other Design Costs.....	290	
(c) Total Design Cost.....	903	
(d) Contract.....	670	
(e) In-house.....	233	
(4) Construction Start..... JAN 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated Or Requested    Cost (\$000)
Info Sys - ISC	OPA	1994    78
		TOTAL    78

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Myer Virginia		4. COMMAND  US Army Military District of Washington			5. AREA CONSTRUCTION COST INDEX  1.05	

6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS		SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	92	1444	122	0	0	0	2,745
B. END FY 1999	86	1900	556	0	0	0	3,717

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	256 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	229,176
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	6,800
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	6,100
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	13,393
H. GRAND TOTAL.....	255,469

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:			
CATEGORY	PROJECT	COST	DESIGN STATUS
CODE	NUMBER	(\$000)	START COMPLETE
721	33965	Whole Barracks Renewal	6,800 05/1992 07/1993
TOTAL		6,800	

9. FUTURE PROJECTS:			
CATEGORY	PROJECT TITLE	COST	
CODE		(\$000)	
A. INCLUDED IN THE FY 1995 PROGRAM:			
721	Whole Barracks Renewal	6,100	
TOTAL		6,100	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE			

10. MISSION OR MAJOR FUNCTIONS:
Fort Myer serves as a troop/ceremonial post in support of missions assigned to the U.S. Army Military District of Washington. Fort Myer provides troop housing for the 3rd Inf Regt (The Old Guard), the U.S. Army Band (Pershing's Own), and authorized members of all services within the National Capital Region. Fort Myer provides housing for the Chairman, Joint Chiefs of Staff, the Chief of Staff, Army and the Chief of Staff, Air Force. Fort Myer, the Old Guard and the Army Band are responsible for supporting Arlington National Cemetery and numerous military ceremonies and public events throughout the Nation's Capital. Fort Myer provides base operations (BASOPS)

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Myer Virginia										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) support to the Pentagon, the White House and other authorized claimants throughout the National Capital Region.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="205 502 813 590"> <tr> <td></td> <td>((\$000))</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td>0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td>0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td>0</td> </tr> </table>				((\$000))	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	((\$000))									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994      MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Myer Virginia			4. PROJECT TITLE Whole Barracks Renewal		
5. PROGRAM ELEMENT 22896A	6. CATEGORY CODE 721	7. PROJECT NUMBER 33965	8. PROJECT COST (\$000) Auth      6,800 Approp    6,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					5,786
Barracks Renovation		SF	70,000	79.85	(5,590)
Asbestos Abatement		LS	--	--	(166)
Building Information Systems		LS	--	--	(30)
<u>SUPPORTING FACILITIES</u>					48
Electric Service		LS	--	--	(48)
ESTIMATED CONTRACT COST					5,834
CONTINGENCY PERCENT (10.0%)					583
SUBTOTAL					6,417
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					385
TOTAL REQUEST					6,802
TOTAL REQUEST (ROUNDED)					6,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction      Renovate and convert all floors including basement and attic of one historic barracks building. Project includes living/sleeping room, bath, walk-in closets, laundry and storage; company operation facility; utility distribution systems for electric; plumbing; and heating, ventilation and air conditioning (HVAC). Replace interior partitions, floor system, doors and windows, repair exterior walls, enclose first floor porch area, install fire system consisting of heat and smoke detection devices in all living quarters, install interior cable system, remove and dispose of asbestos (flooring and insulation), reroute the chilled water pipe and distribution system, and rewire with copper wire. Work also includes four stairs at the location of existing stairs and strengthening a portion of attic floor to accommodate office and storage use. Work also includes reestablishment and reconstruction of historic front porch and landscaping in rear court yard.					
11. REQUIREMENT:      2,553 PN ADEQUATE:      NONE      SUBSTANDARD:      124 PN					
PROJECT: Modernize an historic barracks building to meet the Whole Barracks Renewal Program Standard. (Current Mission)					



1. COMPONENT <b>ARMY</b>	FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION <b>Fort Myer, Virginia</b>		
4. PROJECT TITLE <b>Whole Barracks Renewal</b>		5. PROJECT NUMBER <b>33965</b>
<p><u>REQUIREMENT:</u> This project is required to continue the modernization of existing permanent barracks to provide adequate housing. This project will provide housing for total of 121 personnel (PN): 106 E1-E4, 11 E5-E6 and 4 E7-E8 (intended utilization). Maximum utilization is 136 enlisted personnel. Current utilization is 133 enlisted personnel.</p> <p><u>CURRENT SITUATION:</u> The existing three story brick building was built in 1895 on a stone foundation with a slate roof and has been classified as a Category II historical building. No major repair work has been done in the last 15 years. The slate roof was repaired in 1984. The existing plumbing, electrical and HVAC systems are outdated, inefficient, and do not comply with current codes. Significant replacement and repair is needed to avoid further deterioration of this historical building.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, outdated and inefficient electrical, plumbing, heating and air conditioning systems will continue to deteriorate, routine maintenance will not be sufficient, and major system failures will occur. Man hours expended for backlog of maintenance and repair will increase rapidly, and quality-of-life program goals for enlisted soldiers will not be met. Failure to provide this project will mean that soldiers will continue to live in substandard housing that does not meet current Army space requirements for enlisted personnel. The building is in extremely poor condition due to backlog of deferred maintenance. The building does not comply with the National Historical Preservation Act.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>MAY 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	<u>50</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	<u>100</u>	
(d) Design Complete Date.....	<u>JUL 1993</u>	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Myer, Virginia		
4. PROJECT TITLE		5. PROJECT NUMBER
Whole Barracks Renewal		33965
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a)	Production of Plans and Specifications.....	255
(b)	All Other Design Costs.....	236
(c)	Total Design Cost.....	491
(d)	Contract.....	341
(e)	In-house.....	150
(4) Construction Start..... JAN 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment	Procuring	Fiscal Year
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>
		<u>Or Requested</u>
		Cost (\$000)
None		

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART 1)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	PAGE
Washington		Fort Lewis (FORSCOM)			283
	39078	Incinerator Building Completion	14,200	14,200	285
		Subtotal For Fort Lewis PART I	\$ 14,200	14,200	
		* TOTAL MCA FOR Washington	\$ 14,200	14,200	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Lewis Washington		4. COMMAND  US Army Forces Command				5. AREA CONSTRUCTION COST INDEX  1.00	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
				TOTAL			
A. AS OF 30 SEP 1992	2215 14161 3332	6	202	0	41	88	541
B. END FY 1999	2129 12783 4149	13	28	0	69	316	584
							20,071
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	86,174 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	2,731,672						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	14,200						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	30,500						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	97,358						
H. GRAND TOTAL.....	2,873,730						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY	PROJECT				COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE			(\$000)	START	COMPLETE
833	39078	Incinerator Building Completion			14,200	10/1989	01/1993
TOTAL					14,200		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE			(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
812	Utility Systems			8,500			
721	Whole Barracks Renewal			22,000			
TOTAL					30,500		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of I Corps Headquarters and organizations assigned to I Corps, including a motorized brigade. Support Madigan Army Medical Center and Reserve Component annual training. Ensure the most efficient utilization of resources to operate Fort Lewis and accomplish all assigned missions. Conduct mobilization operations to meet wartime requirements. Conduct operations in support of civil authorities in domestic emergencies.							



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Lewis Washington				Incinerator Building Completion			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
22696A		100		39078		Auth 14,200 Approp 14,200	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							12,173
Incinerator Incl. Mods				LS	--	--	(9,611)
Recycle Center Modifications				LS	--	--	(325)
Ash Landfill Cell				LS	--	--	(2,237)
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							12,173
CONTINGENCY PERCENT (10.0%)							1,217
SUBTOTAL							13,390
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							803
TOTAL REQUEST							14,193
TOTAL REQUEST (ROUNDED)							14,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Complete the construction of a heat recovery refuse incinerator to include a shredder, deaerator tank, separation of ash streams, and a fly ash solidification system. Modify an existing recycling facility to provide magnetic metal separation with associated conveyors and building extension. Construct a double-lined ash disposal landfill cell, with leachate collection and groundwater monitoring wells.							
11. REQUIREMENT: 190 TN ADEQUATE: 10 TN SUBSTANDARD: NONE							
PROJECT: Complete the construction of a heat recovery refuse incinerator, provide improvements to a recycling facility and construct a double-lined ash landfill cell. (Current Mission)							
REQUIREMENT: An FY 87 MCA project for a heat recovery incinerator at Fort Lewis was never completed. Construction was terminated in August 1989, due to bankruptcy of the contractor and surety defaults. The plant stands at approximately 80 percent complete, but is deteriorating as construction is delayed. At a recent site visit, representatives from Headquarters, Army Corps of Engineers and Argonne National Laboratories evaluated the subject plant. They felt the incinerator was a good basic design and soundly constructed. Their final recommendation was to complete the facility with some minor							

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Lewis, Washington		
4. PROJECT TITLE  Incinerator Building Completion		5. PROJECT NUMBER  39078
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>modifications and two additional requirements to comply with the new Washington State environmental laws. These additions include a waste shredder with magnetic separator and a double lined landfill for the ash disposal. The minor modifications include improvements to the incinerator to provide a more functional system.</p> <p><u>CURRENT SITUATION:</u> Fort Lewis and McChord Air Force Base (AFB) municipal solid waste is currently disposed of in a lined cell at the Fort Lewis landfill, after processing through the recycling center. This disposal method uses space at a rate approximately five times that of incinerated ash. Barracks in the division area are currently heated by boiler plants utilizing fossil fuels. The new incinerator, designed to provide heat to these same buildings, continues to deteriorate as it stands unused. The price for plant completion continues to escalate due to inflation and continued deterioration.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, Fort Lewis will be forced to continue buying fossil fuels to heat the barracks in the Division area. The expected reduction in air emissions will not be achieved. The remaining landfill space will be used up much more rapidly.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria. "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	OCT 1989	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	100	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	JAN 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		



1. COMPONENT	<b>FY 1994    MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Lewis, Washington		
4. PROJECT TITLE		5. PROJECT NUMBER
Incinerator Building Completion		39078
12. <u>SUPPLEMENTAL DATA:</u> (Continued)		
A. Estimated Design Data: (Continued)		
(b) All Other Design Costs.....		241
(c) Total Design Cost.....		241
(d) Contract.....		
(e) In-house.....		241
(4) Construction Start.....		JUL 1994
		month & year
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment	Procuring	Fiscal Year
<u>Nomenclature</u>	<u>Appropriation</u>	Appropriated    Cost
		<u>Or Requested</u> <u>(\$000)</u>
None		

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	
US Various		Classified US Location (USVAR)			291
	42169	Classified Project	3,000	3,000	293
		Subtotal For Classified US Location PART I	\$ 3,000	3,000	
		* TOTAL MCA FOR US Various	\$ 3,000	3,000	
		** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 630,401	630,401	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993																																	
3. INSTALLATION AND LOCATION  Classified US Location US Various		4. COMMAND  Various US Army Major Commands-US			5. AREA CONSTRUCTION COST INDEX  1.00																																	
6. PERSONNEL STRENGTH: <table style="width: 100%; border: none;"> <tr> <th></th> <th colspan="2">PERMANENT</th> <th colspan="2">STUDENTS</th> <th colspan="2">SUPPORTED</th> <th></th> </tr> <tr> <th></th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>OFFICER</th> <th>ENLIST</th> <th>CIVIL</th> <th>TOTAL</th> </tr> <tr> <td>A. AS OF 30 SEP 1992</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>B. END FY 1999</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>								PERMANENT		STUDENTS		SUPPORTED				OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL	A. AS OF 30 SEP 1992	0	0	0	0	0	0	0	B. END FY 1999	0	0	0	0	0	0	0
	PERMANENT		STUDENTS		SUPPORTED																																	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL																															
A. AS OF 30 SEP 1992	0	0	0	0	0	0	0																															
B. END FY 1999	0	0	0	0	0	0	0																															
7. INVENTORY DATA (\$000) A. TOTAL ACREAGE..... 0 AC B. INVENTORY TOTAL AS OF 30 SEP 1992..... 0 C. AUTHORIZATION NOT YET IN INVENTORY..... 0 D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM..... 3,000 E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM..... 0 F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY)..... 0 G. REMAINING DEFICIENCY..... 0 H. GRAND TOTAL..... 3,000																																						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM: <table style="width: 100%; border: none;"> <tr> <th colspan="3">CATEGORY PROJECT</th> <th>COST</th> <th colspan="2">DESIGN STATUS</th> </tr> <tr> <th>CODE</th> <th>NUMBER</th> <th>PROJECT TITLE</th> <th>(\$000)</th> <th>START</th> <th>COMPLETE</th> </tr> <tr> <td>141</td> <td>42169</td> <td>Classified Project</td> <td>3,000</td> <td></td> <td></td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL</td> <td>3,000</td> <td></td> <td></td> </tr> </table>							CATEGORY PROJECT			COST	DESIGN STATUS		CODE	NUMBER	PROJECT TITLE	(\$000)	START	COMPLETE	141	42169	Classified Project	3,000			TOTAL			3,000										
CATEGORY PROJECT			COST	DESIGN STATUS																																		
CODE	NUMBER	PROJECT TITLE	(\$000)	START	COMPLETE																																	
141	42169	Classified Project	3,000																																			
TOTAL			3,000																																			
9. FUTURE PROJECTS: <table style="width: 100%; border: none;"> <tr> <th>CATEGORY</th> <th>COST</th> </tr> <tr> <th>CODE</th> <th>PROJECT TITLE (\$000)</th> </tr> <tr> <td colspan="2">A. INCLUDED IN THE FY 1995 PROGRAM: NONE</td> </tr> <tr> <td colspan="2">B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE</td> </tr> </table>							CATEGORY	COST	CODE	PROJECT TITLE (\$000)	A. INCLUDED IN THE FY 1995 PROGRAM: NONE		B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE																									
CATEGORY	COST																																					
CODE	PROJECT TITLE (\$000)																																					
A. INCLUDED IN THE FY 1995 PROGRAM: NONE																																						
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE																																						
10. MISSION OR MAJOR FUNCTIONS:																																						
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <th></th> <th>(\$000)</th> </tr> <tr> <td>A. AIR POLLUTION</td> <td>0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td>0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td>0</td> </tr> </table>								(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0																								
	(\$000)																																					
A. AIR POLLUTION	0																																					
B. WATER POLLUTION	0																																					
C. OCCUPATIONAL SAFETY AND HEALTH	0																																					

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994		MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Classified US Location		Classified Project	
US Various			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
91212A	141	42169	Auth 3,000 Approp 3,000
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
COST (\$000)			
PRIMARY FACILITY			
SUPPORTING FACILITIES			
ESTIMATED CONTRACT COST			
CONTINGENCY PERCENT (5.00%)			
SUBTOTAL			
SUPERVISION, INSPECTION & OVERHEAD (6.00%)			
TOTAL REQUEST			
TOTAL REQUEST (ROUNDED)			
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS			
(0)			
10. Description of Proposed Construction This project covers classified activities at various locations. Additional information concerning the requirements associated with this project will be provided to Congress during the review of Military Construction Army, Fiscal Year 1992, Authorization/Appropriation Request.			
11. REQUIREMENT: NONE ADEQUATE: NONE SUBSTANDARD: NONE			
PROJECT: To be provided during Congressional review of MCA request. (Current Mission)			
REQUIREMENT: To be provided during Congressional review of MCA request.			
CURRENT SITUATION: To be provided during Congressional of MCA request.			
IMPACT IF NOT PROVIDED: To be provided during Congressional review of MCA request.			

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	PAGE
Kwajalein		Kwajalein Atoll (USASDC)			297
		Kwajalein Atoll			
	35900	Sewage Treatment Facility	11,200	11,200	299
	36324	Unaccompanied Personnel Housing	10,000	10,000	302
		Subtotal For Kwajalein Atoll PART I	\$ 21,200	21,200	
		* TOTAL MCA FOR Kwajalein	\$ 21,200	21,200	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Kwajalein Atoll Kwajalein	4. COMMAND  US Army Strategic Defense Command	5. AREA CONSTRUCTION COST INDEX  2.54

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL TOTAL
A. AS OF 30 SEP 1992	21 10 107	0 0 0	1 0 1860 1,999
B. END FY 1999	21 10 107	0 0 0	1 0 1860 1,999

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	3,568 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,205,339
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	21,200
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	36,000
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	59,360
G. REMAINING DEFICIENCY.....	60,750
H. GRAND TOTAL.....	1,382,649

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY	PROJECT	PROJECT TITLE	COST (\$000)	DESIGN STATUS	
	CODE NUMBER			START	COMPLETE
	724	36324 Unaccompanied Personnel Housing	10,000	06/1991	10/1993
	831	35900 Sewage Treatment Facility	11,200	08/1992	09/1993
TOTAL			21,200		

9. FUTURE PROJECTS:		
CATEGORY	PROJECT TITLE	COST (\$000)
	CODE	
A. INCLUDED IN THE FY 1995 PROGRAM:		
	154	Shore Protection 7,700
	442	Hazardous Material Warehouse 9,800
	841	Cover Raw Water Tanks 5,500
	724	Unaccompanied Personnel Housing 13,000
TOTAL		36,000
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:
Provide technical and logistical support for on-site ballistic missile defense research and development programs. Provide technical support for strategic offensive weapon system development and operational testing. Collect data on objects in space. Maintain and foster relationships with the government of the Republic of the Marshall Islands.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Kwajalein Atoll Kwajalein										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="125 467 729 548"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">80,900</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	80,900	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	80,900									
C. OCCUPATIONAL SAFETY AND HEALTH	0									



1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Kwajalein Atoll Kwajalein</b>			4. PROJECT TITLE <b>Sewage Treatment Facility</b>		
5. PROGRAM ELEMENT <b>65856A</b>	6. CATEGORY CODE <b>831</b>	7. PROJECT NUMBER <b>35900</b>	8. PROJECT COST (\$000) Auth <b>11,200</b> Approp <b>11,200</b>		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					<b>8,704</b>
Sewage Treatment Plant		LS	--	--	(3,789)
Pump Station		EA	4	321,000	(1,284)
12 in Sewer Outfall in Water		LF	1,200	1,640	(1,968)
12 in Sewer Outfall on Land		LF	1,000	218.00	(218)
4 in Waterline		LF	7,900	48.00	(379)
Total from Continuation page					(1,066)
<b>SUPPORTING FACILITIES</b>					<b>1,248</b>
Electric Service		LS	--	--	(260)
Water, Sewer, Gas		LS	--	--	(686)
Paving, Walks, Curbs And Gutters		LS	--	--	(21)
Storm Drainage		LS	--	--	(11)
Site Imp( 183) Demo( 25)		LS	--	--	(208)
Information Systems		LS	--	--	(62)
<b>ESTIMATED CONTRACT COST</b>					<b>9,952</b>
<b>CONTINGENCY PERCENT (5.00%)</b>					<b>498</b>
<b>SUBTOTAL</b>					<b>10,450</b>
<b>SUPERVISION, INSPECTION &amp; OVERHEAD (6.50%)</b>					<b>679</b>
<b>TOTAL REQUEST</b>					<b>11,129</b>
<b>TOTAL REQUEST (ROUNDED)</b>					<b>11,200</b>
<b>INSTALLED EQUIPMENT-OTHER APPROPRIATIONS</b>					<b>(1)</b>
10. Description of Proposed Construction      Construct a sewage treatment system on Roi-Namur for domestic waste water to include an office and laboratory. Supporting facilities include utilities, electric service, force mains, sewage pump stations, storm drainage, fire protection and alarm systems, paving, fencing and gates, information systems, and site improvements. Trouble alarms will also be included at new sewage pump stations. Air conditioning (4 tons) will be provided by a self-contained system for office area only. Demolish one building (546 SF) within the footprint.					
11. <b>REQUIREMENT:</b> 70 KG ADEQUATE:      NONE      SUBSTANDARD:      70 KG					
<b>PROJECT:</b> Construct a sewage treatment system. (Current Mission)					
<b>REQUIREMENT:</b> This project is required to eliminate the discharge of undertreated domestic sewage into the ocean. This project is required for the US Army Kwajalein Atoll to comply with its Environmental Mitigation Plan and effluent to meet requirements of National Pollutant Discharge Elimination System (NPDES) Permit Number TT0110027 (Section 301 (H) of the Clean Water Act, as defined in the Compact of Free Association between the US and the Republic of the Marshall Islands. There are no alternatives which can satisfy this requirement.					

1. COMPONENT	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Kwajalein Atoll, Kwajalein		
4. PROJECT TITLE		5. PROJECT NUMBER
Sewage Treatment Facility		35900
9. COST ESTIMATES (CONTINUED)		
<u>Item</u>	<u>U/M</u>	<u>QTY</u>
		Unit
		Cost
		COST
		(\$000)
PRIMARY FACILITY (CONTINUED)		
8 in Sewer Line	LF	1,600    126.00    (202)
6 in Force Main	LF	7,900    109.00    (861)
Building Information Systems	LS	--    --    (3)
		Total    1,066
<p><u>CURRENT SITUATION:</u> Domestic sewage on the Roi (west) side of Roi-Namur is kept in a holding tank for a short period of time and then pumped, with only preliminary treatment, into the ocean. The Namur (east) side uses an combination of septic tanks and leaching fields to dispose of its waste water sewage which has the potential for infiltration of the freshwater lenses. Roi-Namur is the only island that violates the Clean Water Act. Part of the Record of Decision (ROD) allowing continued missile testing at US Army, Kwajalein Atoll stipulated that the US Army would construct this plant. The Republic of the Marshall Islands (RMI) Environmental Protection Agency has not cited the US Government with the understanding that we will honor our commitment under the ROD.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, Roi-Namur will continue to dump undertreated wastewater into the ocean and be in noncompliance with the Clean Water Act. This will adversely impact the safety and health of personnel and the relationship between the US and the Republic of the Marshall Islands.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	AUG 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	SEP 1993	
(2) Basis:		

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Kwajalein Atoll, Kwajalein		
4. PROJECT TITLE  Sewage Treatment Facility	5. PROJECT NUMBER  35900	

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(a) Standard or Definitive Design - (YES/NO) N

(b) Where Design Was Most Recently Used

(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)

(a) Production of Plans and Specifications.....	272
(b) All Other Design Costs.....	256
(c) Total Design Cost.....	528
(d) Contract.....	478
(e) In-house.....	50

(4) Construction Start..... FEB 1994  
month & year

B. Equipment associated with this project which will be provided from other appropriations:

Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>Or Requested</u>	Cost <u>(\$000)</u>
Info Sys - ISC	OPA	1994	1
		TOTAL	1

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Kwajalein Atoll Kwajalein</b>			4. PROJECT TITLE <b>Unaccompanied Personnel Housing</b>		
5. PROGRAM ELEMENT <b>65301A</b>	6. CATEGORY CODE <b>724</b>	7. PROJECT NUMBER <b>36324</b>	8. PROJECT COST (\$000) Auth      10,000 Approp    10,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					
Unaccompanied Personnel Housing		SF	36,000	222.50	8,472
Replace Tennis Courts (2)		LS	--	--	(8,010)
Building Information Systems		LS	--	--	(376)
					(86)
<b>SUPPORTING FACILITIES</b>					
Electric Service		LS	--	--	547
Water, Sewer, & Gas		LS	--	--	(90)
Paving, Walks, Curbs & Gutters		LS	--	--	(54)
Site Imp( 37) Demo( 292)		LS	--	--	(44)
Information Systems		LS	--	--	(329)
					(30)
ESTIMATED CONTRACT COST					9,019
CONTINGENCY PERCENT (5.00%)					451
SUBTOTAL					9,470
SUPERVISION, INSPECTION & OVERHEAD (6.50%)					616
TOTAL REQUEST					10,086
TOTAL REQUEST (ROUNDED)					10,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(5)
10. Description of Proposed Construction      Construct an unaccompanied personnel housing (UPH) facility. Relocate two lighted tennis courts. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; information systems; and site improvements. Access for the handicapped will be provided. Air conditioning (100 tons) will be provided from self-contained system. Demolish three buildings (13,022 SF) and two tennis courts (14,040 SF).					
11. REQUIREMENT:      1,370 PN ADEQUATE:      NONE      SUBSTANDARD:      677 PN					
PROJECT: Construct an unaccompanied personnel housing facility. (Current Mission)					
REQUIREMENT: This project is required to provide housing for 88 unaccompanied personnel assigned to USA Kwajalein Atoll (USAKA). This is the second phase of a three-phase project to furnish acceptable housing for 288 unaccompanied personnel on Kwajalein. Phase three will provide housing for 100 personnel and is in the FY 95 program. The residents will be technicians and engineers responsible for operating the range, conducting intelligence operations, space shuttle support, and test programs. The success of these operations, highly sophisticated tests for development of anti-ballistic					

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Kwajalein Atoll, Kwajalein		
4. PROJECT TITLE  Unaccompanied Personnel Housing		5. PROJECT NUMBER  36324
<p><u>REQUIREMENT:</u>      (CONTINUED)</p> <p>missile interceptors, and National Aeronautical and Space Administration (NASA) support is heavily dependent upon ability to recruit highly qualified technical personnel to operate the range sensors and test equipment. There is not sufficient housing to adequately accommodate the technicians. Programs scheduled at USAKA will be delayed due to a lack of housing for technical personnel.</p> <p><u>CURRENT SITUATION:</u>      The USAKA is a national test range and deep space tracking center. USAKA is also the site of the Kiernan Reentry Measurements Site (KREMS), one of the primary United States assets for tracking deep space objects and foreign missile launches. The Kwajalein Atoll is only 1.2 square miles in area and located approximately 2,000 miles southwest of Hawaii, making it a very small, very remote, isolated installation. Successful accomplishment of USAKA's research, development, test and evaluation mission depends upon the ability to recruit highly trained technical personnel. Due to limited family housing, most of these technicians are recruited on an unaccompanied basis. The existing quarters are old, overcrowded, unattractive and do not provide the basic privacy which people need. Some live in old trailers. As a result, morale is low, job performance suffers, and the job turnover rate is very high. This is costly in terms of money and degradation in mission performance.</p> <p><u>IMPACT IF NOT PROVIDED:</u>      If this project is not provided, USAKA will be unable to fulfill its mission in an efficient and timely manner. Technical personnel will continue to be housed in crowded, inadequate facilities, and employee morale and performance will suffer. Operational and multi-million dollar test programs will not be conducted on schedule or with the best available personnel. This project is required to provide optimum mission support as a national test range in support of the Strategic Defense Initiative (SDI) Program.</p> <p><u>ADDITIONAL:</u>      This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System ((DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		JUN 1991
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		45

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Kwajalein Atoll, Kwajalein		
4. PROJECT TITLE		5. PROJECT NUMBER
Unaccompanied Personnel Housing		36324
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(c) Percent Complete As Of 01 October 93 (PROG YR)...		100
(d) Design Complete Date.....		SEP 1993
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used		
USA Kwajalein Atoll		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):		(\$000)
(a) Production of Plans and Specifications.....		400
(b) All Other Design Costs.....		200
(c) Total Design Cost.....		600
(d) Contract.....		500
(e) In-house.....		100
(4) Construction Start.....		JAN 1994
		month & year
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Cost Or Requested (\$000)
Info Sys - ISC	OPA	1994 5
	TOTAL	5

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
MILITARY CONSTRUCTION (PART I)  
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
	NUMBER	PROJECT TITLE			
Overseas Various		Classified Location (FORVAR)			307
		Classified Location			
	27533	Communications Maintenance Facility	3,600	3,600	309
		Subtotal For Classified Location PART I	\$ 3,600	3,600	
		* TOTAL MCA FOR Overseas Various	\$ 3,600	3,600	
		** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 24,800	24,800	



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Classified Location Overseas Various		4. COMMAND  Various US Army Major Commands-Foreign			5. AREA CONSTRUCTION COST INDEX  1.00	

6. PERSONNEL STRENGTH:										
	PERMANENT		STUDENTS			SUPPORTED				
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	0	0	0	0	0	0	0	0	0	0
B. END FY 1999	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	0
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	3,600
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	24,700
H. GRAND TOTAL.....	28,300

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:					
CATEGORY PROJECT			COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE	(\$000)	START	COMPLETE
441	27533	Communications Maintenance Facility	3,600	08/1992	09/1993
TOTAL			3,600		

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM: NONE		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:	
Support of U.S. Army Forces Worldwide.	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	
	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT		2. DATE			
ARMY		FY 1994      MILITARY CONSTRUCTION PROJECT DATA      APRIL 1993			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
Classified Location Overseas Various			Communications Maintenance Facility		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
22696A		441	27533	Auth      3,600 Approp      3,600	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					2,595
Communications Maintenance Bldg		SF	24,000	65.88	(1,581)
Admin Facility		SF	3,100	103.55	(321)
Staging Area		SF	87,300	1.29	(113)
Fuel Distribution		GA	18,000	13.11	(236)
Elevated Water Tank/Pump Station		GA	135,000	2.55	(344)
<u>SUPPORTING FACILITIES</u>					610
Electric Service		LS	--	--	(94)
Water, Sewer, Gas		LS	--	--	(58)
Paving, Walks, Curbs, And Gutter		LS	--	--	(234)
Site Imp( 220) Demo(      )		LS	--	--	(220)
Information Systems		LS	--	--	(4)
ESTIMATED CONTRACT COST					3,205
CONTINGENCY PERCENT (5.00%)					160
SUBTOTAL					3,365
SUPERVISION, INSPECTION & OVERHEAD (6.50%)					219
TOTAL REQUEST					3,584
TOTAL REQUEST (ROUNDED)					3,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction      Construct a prepositioning storage site and an operational facility to include administrative space, maintenance space, open storage, a depot warehouse and perimeter fencing. This facility will be built in Southwest Asia (SWA) and will be used to forward preposition communications equipment. Operational equipment will be stored in the depot facility. Support equipment will be placed in open storage. Supporting facilities include utilities, electric service, fencing, parking, access road, septic tank, fire protection and alarm systems, information systems, and site improvements. The supporting utility costs are based upon using existing utilities and a 200-foot offset from the main. Heating and air conditioning (6 tons) will be provided by self-contained systems for administration and maintenance areas.					
11. REQUIREMENT:      81,300 SF ADEQUATE:      NONE      SUBSTANDARD:      NONE					
PROJECT: Construct a Communications Maintenance and Management facility to preposition communications equipment in support of Defense Communications System - Central Area (DCS-CA) and US Central Command (USCENTCOM) requirements in SWA. (Current Mission)					

1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Classified Location, Overseas Various			
4. PROJECT TITLE		5. PROJECT NUMBER	
Communications Maintenance Facility		27533	
<p><u>REQUIREMENT:</u> This project is required to preposition and station communications equipment in order to meet theater communications requirements. The USCENCOM Area of Responsibility (AOR) is characterized by vast expanses and harsh terrain. There is almost a complete lack of communications facilities which makes it extremely difficult to support either peacetime, contingency, or wartime operations. The planned DCS-CA network will provide US Commander-in-Chief, Central (USCINCCENT) with intertheater common user and command and control (C2) conductivity from his AOR to the National Command Authority (NCA), Joints Chiefs of Staff (JCS), supporting unified and specified commands, as well as intratheater communications to embassies, friendly forces or allies, and component forces in the AOR. This facility will be the first Army-constructed link in the network.</p> <p><u>CURRENT SITUATION:</u> Equipment delivery began in FY 87. This equipment is being stored with the 11th Signal Brigade. The existing in-theater communications network is so inadequate that USCINCCENT depends upon the availability of this continental United States (CONUS)-based equipment to support his operations. The amount of equipment, lift requirements, and the speed with which this equipment is required in theater, makes forward prepositioning the only viable option to insure proper mission support.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, critical air-lift will be required to transport CONUS-based communications equipment to the theater. This is significant because there are numerous requirements competing for limited sorties. Any delay in the arrival of the equipment will adversely affect intratheater communications capabilities and will jeopardize USCENCOM's ability to perform its mission.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Project is not eligible for Host Nation funding. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....		AUG 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..		50	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..		100	
(d) Design Complete Date.....		SEP 1993	
(2) Basis:			

1. COMPONENT	2. DATE	
ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	APRIL 1993
3. INSTALLATION AND LOCATION		
Classified Location, Overseas Various		
4. PROJECT TITLE	5. PROJECT NUMBER	
Communications Maintenance Facility	27533	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	175	
(b) All Other Design Costs.....	80	
(c) Total Design Cost.....	255	
(d) Contract.....	20	
(e) In-house.....	235	
(4) Construction Start..... APR 1994		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment	Procuring	Fiscal Year
Nomenclature	Appropriation	Appropriated Cost
		Or Requested (\$000)
None		

DEPARTMENT OF THE ARMY  
 FISCAL YEAR 1994  
 MILITARY CONSTRUCTION (PART I)  
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
	NUMBER	PROJECT TITLE			
Worldwide Various		Minor Construction (MINE&G)			315
	28464	Unspecified Minor Construction	12,000	12,000	317
		Subtotal For Minor Construction PART I	\$ 12,000	12,000	
		Planning and Design (PLANDES)			319
	37156	Planning and Design	84,441	84,441	321
	37214	Host Nation Support	25,000	25,000	323
		Subtotal For Planning and Design PART I	\$ 109,441	109,441	
		* TOTAL MCA FOR Worldwide Various	\$ 121,441	121,441	
** TOTAL WORLDWIDE FOR MCA			\$ 121,441	121,441	
MILITARY CONSTRUCTION (PART I) TOTAL			\$ 776,642	776,642	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Minor Construction Worldwide Various	4. COMMAND  Minor Construction				5. AREA CONSTRUCTION COST INDEX  1.00

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED		
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	TOTAL	
A. AS OF 30 SEP 1992	0	0	0	0	0
B. END FY 1999	0	0	0	0	0

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	0
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	12,000
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	12,000
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	24,000
G. REMAINING DEFICIENCY.....	0
H. GRAND TOTAL.....	48,000

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:			
CATEGORY	PROJECT	COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	START COMPLETE
BBB	28464	Unspecified Minor Construction	
		12,000	
		TOTAL	12,000

9. FUTURE PROJECTS:			
CATEGORY	PROJECT TITLE	COST	
CODE	PROJECT TITLE	(\$000)	
A. INCLUDED IN THE FY 1995 PROGRAM:			
BBB	Unspecified Minor Construction	12,000	
		TOTAL	12,000
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE			

10. MISSION OR MAJOR FUNCTIONS:	
---------------------------------	--

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	
	(\$000)
A. AIR POLLUTION	0
B. WATER POLLUTION	0
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT		2. DATE	
ARMY		FY 1994      MILITARY CONSTRUCTION PROJECT DATA	
		APRIL 1993	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Minor Construction		Unspecified Minor Construction	
Minor Construction, Worldwide Various			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
91211A	BBB	28464	Auth 12,000 Approp 12,000
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
			COST (\$000)
<u>PRIMARY FACILITY</u>			
Minor Construction Unspecified		LS	--
			--
			12,000 (12,000)
<u>SUPPORTING FACILITIES</u>			
ESTIMATED CONTRACT COST			12,000
CONTINGENCY PERCENT (.000%)			
SUBTOTAL			12,000
SUPERVISION, INSPECTION & OVERHEAD (.000%)			
TOTAL REQUEST			12,000
TOTAL REQUEST (ROUNDED)			12,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS			(0)
10. Description of Proposed Construction      Unspecified Minor construction projects which have a funded cost of \$1,500,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as authorized under Title 10 USC 2805.			
<u>REQUIREMENT:</u> This project is required to provide for unspecified projects for which the need cannot reasonably be foreseen nor justified in time to be included in this Military Construction, Army (MCA) program.			
<u>CURRENT SITUATION:</u> In FY 92 the Army identified over \$25 million in urgent requirements which qualified for unspecified funding under 10 USC 2805. These urgent unforeseen projects addressed high national priorities such as environmental protection, health, safety, and new/changed mission. They could not wait for normal Military Construction, Army (MCA) programming. The Army expects to obligate the entire FY 93 UMMCA program by the close of the fiscal year.			
<u>IMPACT IF NOT PROVIDED:</u> Historical data on the Army's unforeseen urgent requirements supports this annual funding level. A reduction to this request will result in an additional backlog of unforeseen requirements affecting the Army's ability to perform its mission in a constantly changing environment.			



1. COMPONENT  ARMY	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Minor Construction, Worldwide Various		
4. PROJECT TITLE  Unspecified Minor Construction	5. PROJECT NUMBER  28464	
<p><u>ADDITIONAL:</u>    This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS).</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Planning and Design Worldwide Various	4. COMMAND  Planning and Design	5. AREA CONSTRUCTION COST INDEX  1.00

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED							
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL	TOTAL						
A. AS OF 30 SEP 1992	0	0	0	0	0	0	0	0	0	0
B. END FY 1999	0	0	0	0	0	0	0	0	0	0

7. INVENTORY DATA (\$000)	
A. TOTAL ACRES.....	0 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	0
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	114,041
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	92,420
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	111,148
G. REMAINING DEFICIENCY.....	0
H. GRAND TOTAL.....	317,609

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY	PROJECT	COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE	(\$000)	START COMPLETE
000	37214	Host Nation Support	25,000	
000	37156	Planning and Design	89,041	
000	40830	Strategic Mobility P&D	0	
TOTAL			114,041	

9. FUTURE PROJECTS:				
CATEGORY	PROJECT TITLE	COST		
CODE		(\$000)		
A. INCLUDED IN THE FY 1995 PROGRAM:				
000	Planning And Design	67,420		
000	Host Nation Support	25,000		
000	Strategic Mobility P&D	0		
TOTAL		92,420		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE				

10. MISSION OR MAJOR FUNCTIONS:
---------------------------------

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Planning and Design      Worldwide Various										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		2. DATE		
ARMY		APRIL 1993		
FY 1994		MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
Planning and Design		Planning and Design		
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER
91211A		000		37156
		8. PROJECT COST (\$000)		
		Auth		84,441
		Approp		84,441
9. COST ESTIMATES				
ITEM		U/M	QUANTITY	UNIT COST
PRIMARY FACILITY				
Planning and Design		LS	--	--
				84,441
				(84,441)
SUPPORTING FACILITIES				
ESTIMATED CONTRACT COST				
CONTINGENCY PERCENT (.000%)				
SUBTOTAL				
SUPERVISION, INSPECTION & OVERHEAD (.000%)				
TOTAL REQUEST				
TOTAL REQUEST (ROUNDED)				
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				
10. Description of Proposed Construction				
This item provides for advance and final design of construction projects, for value engineering technical evaluation studies, design of unspecified minor projects, and for development of standards and criteria for Army facilities.				
11. REQUIREMENT: NONE ADEQUATE: NONE SUBSTANDARD: NONE				
PROJECT: Planning and design funds.				
REQUIREMENT: Funds requested are required for the design and engineering of regular MCA, and Unspecified Minor including technical evaluation studies of value engineering and continued development of standard plans (conventional functional layouts). This account is dissimilar to any other line item in the Army's MCA budget in that it is reflective of an operations expense, versus a defined scope of a single construction project. Funds will be used by the US Army Corps of Engineer (USACE) districts for in-house designs, Architect-Engineer (A-E) contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 1994 program, for advancement to final design (35-90 percent) of projects in FY 1995, for progression to concept design (0-35 percent) of projects in the FY 1996, and				

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION		
Planning and Design, Worldwide Various		
4. PROJECT TITLE  Planning and Design	5. PROJECT NUMBER  37156	
<p>REQUIREMENT: (CONTINUED)</p> <p>for initiation of preconcept design activities for projects in FY 1997. The estimate for this multi-dimensional design effort is developed through a formula that reflects the various stages of engineering development for a project. The estimate incorporates management changes over the past five years regarding a shift in the A-E versus in-house design mix, and adjusts to the growing differential in the relationship between increases in salaries for professional services versus project construction costs. The estimate does not predict additional design expenses due to any adverse effects from changes made to the MILCON program and as such it has extremely limited capability to incorporate additional design requirements even at the fully funded level. The Total Quality Management methodology is used by USACE in the design, value engineering process, and construction of facilities. The criteria and standards development and update program, as well as the value engineering program are the means by which USACE assures that quality is built-in from the beginning of projects. These programs help designers produce excellent products and utilizes a feedback process where the designers are participants in maintaining excellent criteria and standards. The funds request for the annual planning and design requirement includes the costs to update standards and criteria, guide specifications, technical manuals, and continue the DA Facility Standardization Program. These standards and criteria are the primary vehicles for introducing new technology, new operational requirements, design lessons learned and federal mandates into new Army facilities.</p>		

1. COMPONENT <b>ARMY</b>		<b>FY 1994</b>		<b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Planning and Design</b> <b>Planning and Design, Worldwide Various</b>				4. PROJECT TITLE <b>Host Nation Support</b>			
5. PROGRAM ELEMENT <b>91211A</b>		6. CATEGORY CODE <b>000</b>		7. PROJECT NUMBER <b>37214</b>		8. PROJECT COST (\$000) Auth <b>25,000</b> Approp <b>25,000</b>	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b> Host Nation/NATO Plan & Design				LS	--	--	25,000 (25,000)
<b>SUPPORTING FACILITIES</b>							
ESTIMATED CONTRACT COST							25,000
CONTINGENCY PERCENT (.000%)							
SUBTOTAL							25,000
SUPERVISION, INSPECTION & OVERHEAD (.000%)							
TOTAL REQUEST							25,000
TOTAL REQUEST (ROUNDED)							25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
<p>10. Description of Proposed Construction This item provides for criteria development, design surveillance, and construction surveillance for projects funded by NATO and foreign nations where US Forces are the sole or primary user as authorized by 10 USC 2807.</p> <p><b>REQUIREMENT:</b> This funding is required to represent US interests during the planning, design, and construction of projects funded by foreign governments, when US Forces are the sole or primary users. Project surveillance and oversight are performed on NATO construction in Europe, and host nation funded construction in Korea and Japan. The Host Nation Planning and Design funds are required to assure that the facilities provided conform to the Services' operational and mission needs, and to US life safety criteria. The Army is the executive agent for the Department of Defense for Host Nation Construction in the Pacific. The programs in Korea and Japan are forecast to increase yearly, and now provide nearly all of the US facilities in these countries. The Army Corps of Engineers is responsible for providing the criteria, reviewing designs and monitoring the construction. The planning and design costs are approximately three percent of the construction placement. The three parts of the planning and design effort are: Criteria Package Preparation - defines the functional requirements and specifies the health, fire, operational,</p>							

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Planning and Design, Worldwide Various		
4. PROJECT TITLE  Host Nation Support	5. PROJECT NUMBER  37214	
<p><u>REQUIREMENT: (CONTINUED)</u></p> <p>functional and life safety needs; Design Surveillance - ensures compliance with criteria packages, efficient operation and maintenance, and life safety, fire protection, and environmental compliance; Construction Surveillance - ensures conformance to design documents, reviews submittals, monitors construction phasing for users, and protects against latent deficiencies. In FY 94, the construction program in the Pacific is estimated to be about \$1 billion. The NATO program, although greatly reduced by recent events, still remains in future year projections.</p>		



April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
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ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
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DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
ARMY FAMILY HOUSING  
NEW CONSTRUCTION (PART IIA)  
(DOLLARS ARE IN THOUSANDS)  
INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION APPROPRIATION	
	PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST
California		Port Irwin (FORSCOM)		
	28059	Family Housing New Construction	25,000	25,000
		SUBTOTAL Port Irwin PART IIA	\$ 25,000	25,000
		* TOTAL AFH FOR California	\$ 25,000	25,000
Hawaii		Schofield Barracks (USARPAC)		
	34872	Family Housing New Construction	13,000	13,000
	37122	Family Housing New Construction	39,000	39,000
		SUBTOTAL Schofield Barracks PART IIA	\$ 52,000	52,000
		* TOTAL AFH FOR Hawaii	\$ 52,000	52,000
Maryland		Fort Meade (FORSCOM)		
	10127	Family Housing Replacement Construction	26,000	26,000
		SUBTOTAL Fort Meade PART IIA	\$ 26,000	26,000
		* TOTAL AFH FOR Maryland	\$ 26,000	26,000
New York		United States Military Academy (USMA)		
	39483	Family Housing Replacement Construction	15,000	15,000
		SUBTOTAL United States Military Academy	\$ 15,000	15,000
		* TOTAL AFH FOR New York	\$ 15,000	15,000
North Carolina		Fort Bragg (FORSCOM)		
	35561	Family Housing Replacement Construction	18,000	18,000
		SUBTOTAL Fort Bragg PART IIA	\$ 18,000	18,000
		* TOTAL AFH FOR North Carolina	\$ 18,000	18,000

DEPARTMENT OF THE ARMY  
 FISCAL YEAR 1994  
 ARMY FAMILY HOUSING  
 NEW CONSTRUCTION (PART IIA)  
 (DOLLARS ARE IN THOUSANDS)  
 INSIDE THE UNITED STATES

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION
	NUMBER	PROJECT TITLE	REQUEST	REQUEST
Wisconsin		Fort McCoy (FORSCOM)		
	12382	Family Housing Replacement Construction	2,950	2,950
		SUBTOTAL Fort McCoy PART IIA	\$ 2,950	2,950
		* TOTAL AFH FOR Wisconsin	\$ 2,950	2,950
		** TOTAL INSIDE THE UNITED STATES FOR AFH	\$ 138,950	138,950
		MILITARY CONSTRUCTION (PART IIA) TOTAL	\$ 138,950	138,950

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
ARMY FAMILY HOUSING  
POST ACQUISITION (PART IIB)  
(DOLLARS ARE IN THOUSANDS)  
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST
Colorado		Fort Carson (FORSCOM)		
	38475	Family Housing Improvements	5,900	5,900
		SUBTOTAL Fort Carson PART IIB	\$ 5,900	5,900
		* TOTAL AFH FOR Colorado	\$ 5,900	5,900
Illinois		Savanna Army Depot (AMC)		
	28473	Family Housing Improvements	640	640
		SUBTOTAL Savanna Army Depot PART IIB	\$ 640	640
		* TOTAL AFH FOR Illinois	\$ 640	640
Kansas		Fort Leavenworth (TRADOC)		
	36580	Family Housing Improvements	20	20
		SUBTOTAL Fort Leavenworth PART IIB	\$ 20	20
		* TOTAL AFH FOR Kansas	\$ 20	20
Kentucky		Fort Campbell (FORSCOM)		
	17751	Family Housing Improvements	10,200	10,200
		SUBTOTAL Fort Campbell PART IIB	\$ 10,200	10,200
		* TOTAL AFH FOR Kentucky	\$ 10,200	10,200
Maryland		Aberdeen Proving Ground (APC)		
	5062	Family Housing Improvements	4,000	4,000
	5063	Family Housing Improvements	1,800	1,800
	17649	Family Housing Improvements	110	110
	39370	Family Housing Improvements	460	460
		SUBTOTAL Aberdeen Proving Ground PART II	\$ 6,370	6,370
		* TOTAL AFH FOR Maryland	\$ 6,370	6,370

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
ARMY FAMILY HOUSING  
POST ACQUISITION (PART IIB)  
(DOLLARS ARE IN THOUSANDS)  
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST
New Mexico		White Sands Missile Range (AMC)		
	3943	Family Housing Improvements	3,300	3,300
		SUBTOTAL White Sands Missile Range PART	\$ 3,300	3,300
		* TOTAL AFH FOR New Mexico	\$ 3,300	3,300
New York		United States Military Academy (USMA)		
	17956	Family Housing Improvements	1,500	1,500
	31106	Family Housing Improvements	4,200	4,200
		SUBTOTAL United States Military Academy	\$ 5,700	5,700
		* TOTAL AFH FOR New York	\$ 5,700	5,700
Oklahoma		Fort Sill (TRADOC)		
	16305	Family Housing Improvements	8,600	8,600
		SUBTOTAL Fort Sill PART IIB	\$ 8,600	8,600
		* TOTAL AFH FOR Oklahoma	\$ 8,600	8,600
South Carolina		Fort Jackson (TRADOC)		
	40894	Family Housing Improvements	0	0
		SUBTOTAL Fort Jackson PART IIB	\$ 0	0
		* TOTAL AFH FOR South Carolina	\$ 0	0
Virginia		Fort Lee (TRADOC)		
	17028	Family Housing Improvements	15,000	15,000
		SUBTOTAL Fort Lee PART IIB	\$ 15,000	15,000
		Fort Monroe (TRADOC)		
	25517	Family Housing Improvements	11,800	11,800

DEPARTMENT OF THE ARMY  
 FISCAL YEAR 1994  
 ARMY FAMILY HOUSING  
 POST ACQUISITION (PART IIB)  
 (DOLLARS ARE IN THOUSANDS)  
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)		AUTHORIZATION REQUEST	APPROPRIATION REQUEST
	PROJECT NUMBER	PROJECT TITLE		
		SUBTOTAL Fort Monroe PART IIB	\$ 11,800	11,800
		* TOTAL AFH FOR Virginia	\$ 26,800	26,800
		** TOTAL INSIDE THE UNITED STATES FOR AFH	\$ 67,530	67,530
		MILITARY CONSTRUCTION (PART IIB) TOTAL	\$ 67,530	67,530



April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
SUMMARY

	(\$ In Thousands)
FY 1994 Program	1,343,886
FY 1993 Current Est	1,523,819

Purpose and Scope

This program provides for the support of the worldwide family housing function within the Department of the Army.

Program Summary

## Construction

New Construction (Deficit Reduction)	\$ 56,000
New Construction (Replacement)	82,950
Post Acquisition Construction	67,530
Planning and Design	<u>11,805</u>
Subtotal Construction	\$218,285

Operations, Utilities, Maintenance, Leasing,  
 Debt Reduction, Interest, Insurance Premiums

Operations	\$ 187,157
Utilities	281,348
Maintenance	388,528
Leasing	268,139
Debt Reduction	412
Interest Payments	6
Servicemen's Mortgage Premiums	<u>11</u>

Subtotal O&M, L&D	1,125,601
Reimbursable Program	<u>18,000</u>

Subtotal O&M, L&D, Reimbursable	1,143,601
---------------------------------	-----------

Total Construction, O&M, L&D, Reimb	1,361,886
Less Reimbursable Program	<u>18,000</u>

Budget Authority	1,343,886
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## Appropriation:

Construction	218,285
O&M, L&D	<u>1,125,601</u>

Total Appropriation	1,343,886
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AUTHORIZATION AND  
APPROPRIATION LANGUAGE  
ARMY FAMILY HOUSING  
FY 1994

For expenses of family housing for the Army for construction, including acquisition, replacement, addition, expansion, extension, and alteration and for operation and maintenance, including debt payment, leasing, minor construction, principal and interest charges, and insurance premiums, as authorized by law, as follows: for Construction [\$160,122,000] \$218,285,000, for Operation and Maintenance, and Debt Payment [\$1,363,697,000] \$1,125,601,000 in all [\$1,523,819,000] \$1,343,886,000. Provided, that the amount for construction shall remain available until [September 30, 1997] September 30, 1998.

Family Housing Construction, Army  
Programs and Financing (in thousands of dollars) SUMMARY

Identification code	21-7020-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programmed)			
		1992 actual	1993 est.	1994 est.	
Program by activities:					
Direct program:					
01.0101	Construction of new housing	92,493	56,582	138,950	
01.0201	Post-acquisition Construction	74,980	92,600	67,530	
01.0301	Planning and design	5,220	8,940	11,805	
01.9101	Total direct program	172,693	160,122	218,285	
10.0001	Total	172,693	160,122	218,285	
Financing:					
17.0001	Recovery of prior year obligations				
21.4002	Unobligated balance available, start of year:				
21.4009	For completion of prior year budget plans				
22.0001	Reprogramming from/to prior year budget plans	-7,988			
22.0001	Unobligated balance transferred to other accounts	-3,654			
24.4002	Unobligated balance available, end of year:				
25.0001	For completion of prior year budget plans				
25.0001	Unobligated balance expiring	4,269			
39.0001	Budget authority	165,320	160,122	218,285	
Budget authority:					
40.0001	Appropriation				
41.0001	Transferred to other accounts (-)	167,220	160,122	218,285	
43.0001	Appropriation (adjusted)	-1,900			
Relation of obligations to outlays:					
71.0001	Obligations incurred				
72.4001	Obligated balance, start of year				
74.4001	Obligated balance, end of year				
77.0001	Adjustments in expired accounts (net)				
78.0001	Adjustments in unexpired accounts				
90.0001	Outlays (net)	165,320	160,122	218,285	

Family Housing Construction, Army  
Program and Financing (in thousands of dollars) SUMMARY

		Obligations			
Identification code		1992 actual	1992 est.	1994 est.	
Program by activities:					
Direct program:					
01.0101	Construction of new housing	45,460	99,371	122,751	
01.0201	Post-Acquisition Construction	24,894	143,529	98,098	
01.0301	Planning and design	8,190	13,538	12,005	
01.9101	Total direct program	78,344	256,539	191,454	
10.0001	Total	78,344	256,538	191,454	
Financing:					
17.0001	Recovery of prior year obligations	-920			
21.4002	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans	-124,288	-211,570	-116,153	
21.4002	Reprogramming from/to prior year budget plans	-3,854			
22.0001	Unobligated balance transferred to other accounts				
24.4002	Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans	211,570	115,153	141,984	
25.0001	Unobligated balance expiring	4,288			
39.0001	Budget authority	165,320	180,122	218,285	
Budget authority:					
40.0001	Appropriation	167,220	180,122	218,285	
41.0001	Transferred to other accounts (-)	-1,900			
43.0001	Appropriation (adjusted)	165,320	180,122	218,285	
Relation of obligations to outlays:					
71.0001	Obligations incurred	78,344	256,539	191,454	
72.4001	Obligated balance, start of year	89,306	78,907	296,214	
74.4001	Obligated balance, end of year	-76,507	-236,214	-247,052	
77.0001	Adjustments in expired accounts (net)	-85			
78.0001	Adjustments in unexpired accounts	-920			
90.0001	Outlays (net)	90,128	96,832	180,616	

Family Housing Construction, Army  
Object Classification (in Thousands of dollars)      SUMMARY

Identification code	21-7020-0-1-001	1992 actual	1993 est.	1994 est.
Direct obligations:				
121.001	Travel and transportation of persons	622	623	809
122.001	Transportation of things	74	73	81
123.301	Communications, utilities, and miscellaneous charges	38	42	54
124.001	Printing and reproduction	4	31	40
125.201	Other services:			
	payments to foreign national indirect hire personnel	787	519	701
125.203	Contracts	42,110	107,142	109,084
126.001	Supplies and materials	75	104	134
132.001	Land and structures	34,634	148,005	80,531
199.001	Total Direct obligations	78,344	256,539	191,454
999.901	Total obligations	78,344	256,539	191,454

Family Housing Operations & Debt, Army  
Program and Financing (in thousands of dollars)

Identification code	21-7025-0-1-051	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
02.0101	Operating expenses	544,593	521,263	468,505
02.0201	Leasing	392,542	358,241	368,139
02.0301	Maintenance of real property	448,653	484,016	388,578
02.0401	Interest payments	49	50	17
02.9101	Total direct program	1,385,837	1,363,570	1,125,189
03.0101	Reimbursable program	13,434	16,000	18,000
10.0001	Total obligations	1,399,271	1,379,570	1,143,189
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-2,397	-5,400	-5,180
13.0001	Trust funds(-)		-20	-20
14.0001	Non-Federal sources(-)	-11,037	-10,580	-12,800
22.0001	Unobligated balance transferred from other accounts (-)	-44,396		
25.0001	Unobligated balance expiring	15,084		
39.0001	Budget authority	1,360,502	1,363,570	1,125,189
Budget authority:				
40.0001	Appropriation	1,390,025	1,363,697	1,125,601
40.4701	Portion applied to debt reduction (-)	-125	-127	-412
41.0001	Transferred to other accounts (-)	-29,398		
43.0001	Appropriation (adjusted)	1,360,502	1,363,570	1,125,189
Relation of obligations to outlays:				
71.0001	Obligations incurred	1,385,837	1,363,570	1,125,189
72.0001	Obligated balance, start of year	448,605	355,508	375,216
74.0001	Obligated balance, end of year	-355,508	-375,216	-341,267
77.0001	Adjustments in expired accounts (net)	-19,142		
80.0001	Outlays (net)	1,459,792	1,343,862	1,159,138

Family Housing Operations & Dept. Army  
Object Classification (in thousands of dollars)

Identification code	21-7025-0-1-051	1992 actual	1993 est.	1994 est.
<b>Direct obligations:</b>				
<b>Personnel Compensation:</b>				
111.101	Full-time permanent	25,566	24,950	28,353
111.301	Other than full-time permanent	6,895	5,181	5,165
111.501	Other personnel compensation	2,012	1,591	2,060
111.901	Total personnel compensation	34,473	31,722	35,578
112.101	Personnel Benefits: Civilian personnel	8,565	7,516	8,980
113.001	Benefits for former personnel	76	96	191
121.001	Travel and transportation of persons	1,513	1,705	1,482
122.001	Transportation of things	14,784	10,350	9,469
123.201	Rental payments to others	358,783	377,899	275,318
123.301	Communications, utilities, and miscellaneous charges	317,220	326,684	297,046
124.001	Printing and reproduction	105	125	110
<b>Other services:</b>				
126.201	Payments to foreign national indirect hire personnel	36,314	34,864	33,633
125.203	Contracts	430,206	428,207	375,289
125.204	Other	156,594	122,583	62,549
126.001	Supplies and materials	13,403	12,730	16,441
131.001	Equipment	13,762	9,045	8,876
143.001	Interest and dividends	49	44	17
199.001	Total Direct obligations	1,385,837	1,363,570	1,125,189
<b>Reimbursable obligations:</b>				
223.201	Rental payments to others	3,942	4,540	5,540
<b>Other services:</b>				
225.203	Contracts	3,791	5,960	5,960
225.204	Other	4,937	4,500	5,500
231.001	Equipment	764	1,000	1,000
299.001	Total Reimbursable obligations	13,434	16,000	18,000
999.901	Total obligations	1,399,271	1,379,570	1,143,189



April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
NEW CONSTRUCTION

	(\$ In Thousands)
FY 1994 Program	138,950
FY 1993 Current Est	58,582

Purpose and Scope

This program provides family housing at those installations where the local economy cannot provide adequate support and where additional housing is required to help satisfy a validated housing deficit. The program also provides for replacement of housing where it has been determined more economical to replace than to renovate. Included are site preparation, construction, and initial outfitting with fixtures and integral equipment of new family housing units, along with associated facilities such as roads, driveways, walks, utility systems, solar energy systems, and community facilities.

Program Summary

Authorization is requested in FY 94 for:

1. Construction of 1,183 units of family housing.
2. Appropriation in the amount of \$138,950,000 to completely fund this construction.

A summary of the new construction funding program for FY 94 follows:

	<u>Requested</u> Number of <u>Units</u>	Amount <u>(\$000)</u>
Deficit Reduction:		
Fort Irwin, CA	220	\$25,000
Schofield Barracks, HI	88	13,000
Schofield Barracks, HI	260	39,000
(deficit reduction AND replacement--for each unit demolished, approx two units will be constructed)		
Replacement:		
Fort Meade, MD	275	26,000
U.S. Military Academy, NY	100	15,000
Fort Bragg, NC	224	18,000
Fort McCoy, WI	16	2,950
<b>Total</b>	<b>1,183</b>	<b>138,950</b>

PAGE NO. 17

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Irwin California	4. COMMAND  US Army Forces Command				5. AREA CONSTRUCTION COST INDEX  1.30	

6. PERSONNEL STRENGTH:											
	PERMANENT			STUDENTS			SUPPORTED				
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL	
A. AS OF 30 SEP 1992	648	3684	688	0	0	0	9	12	1295	5,336	
B. END FY 1999	661	4168	872	0	0	0	13	25	1862	7,601	

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	636,182 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	940,189
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	25,000
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	12,600
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	0
H. GRAND TOTAL.....	977,789

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY PROJECT			COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000)	START COMPLETE
711	28059	Family Housing New Construction	25,000	TURNKEY
TOTAL			25,000	

9. FUTURE PROJECTS:				
CATEGORY			COST	
CODE		PROJECT TITLE	(\$000)	
A. INCLUDED IN THE FY 1995 PROGRAM:				
711		Family Housing Improvements	12,600	
TOTAL			12,600	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE				

10. MISSION OR MAJOR FUNCTIONS:	
<p>The mission of the National Training Center (NTC), Fort Irwin is to provide: 1) Tough, realistic combined arms field training at battalion task force level using live fire exercises and opposing forces in realistic scenarios; 2) A data source for training, doctrine and systems improvement; 3) Support for assigned, attached, tenant, and training units, and community support for dependents, authorized civilians, and retirees.</p>	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Irwin <div style="text-align: right;">California</div>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td>A. AIR POLLUTION</td> <td>(5000)</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td>1,022</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td>4,028</td> </tr> <tr> <td></td> <td>0</td> </tr> </table>			A. AIR POLLUTION	(5000)	B. WATER POLLUTION	1,022	C. OCCUPATIONAL SAFETY AND HEALTH	4,028		0
A. AIR POLLUTION	(5000)									
B. WATER POLLUTION	1,022									
C. OCCUPATIONAL SAFETY AND HEALTH	4,028									
	0									

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Irwin, California</b>			4. PROJECT TITLE <b>Family Housing New Construction</b>		
5. PROGRAM ELEMENT <b>88741A</b>	6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>28059</b>	8. PROJECT COST (\$000) Auth <b>25,000</b> Approp <b>25,000</b>		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					<b>17,244</b>
Family Housing New Construction		SF	248,300	66.80	(16,586)
Passive Solar		FA	220	2,600	(572)
Building Information Systems		LS	--	--	(86)
<b>SUPPORTING FACILITIES</b>					<b>5,000</b>
Electric Service		LS	--	--	(472)
Water, Sewer, Gas		LS	--	--	(919)
Paving, Walks, Curbs And Gutters		LS	--	--	(1,850)
Storm Drainage		LS	--	--	(264)
Site Imp( 1,495) Demo( )		LS	--	--	(1,495)
ESTIMATED CONTRACT COST					22,244
CONTINGENCY PERCENT (5.00%)					1,112
SUBTOTAL					23,356
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					1,401
TOTAL REQUEST					24,757
TOTAL REQUEST (ROUNDED)					25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction Construct 220 two, three, and four bedroom junior and senior noncommissioned officer family dwelling units with garages. Construction will consist of variously configured mixed story units and/or single buildings. Dwelling units will be factory-built/manufactured houses and/or built on site with conventional type construction. The design will include wood frame construction, brick veneer, or stucco and prefinished siding. Heating and air conditioning will be provided. Site work includes grading, paving, walks, recreation facilities, desert landscaping, drainage, street lighting, and all utilities. Support facilities include water (with separate line for treated drinking water), sewer, gas and underground electrical distribution. Telephone and cable TV will be provided by the local telephone and cable TV companies. Passive solar and ground source heat pump energy conservation measures will be utilized where shown to be cost effective. Project provides range, refrigerator, washer and dryer connections, dishwasher, garbage disposal, hot water heater, hard wired and interconnected smoke detectors and interior telephone and TV outlets. At least five percent of the quarters will be constructed such that they will be accessible and easily modifiable to accommodate the requirements of the handicapped.					

1. COMPONENT		2. DATE				
ARMY		APRIL 1993				
3. INSTALLATION AND LOCATION						
Fort Irwin, California						
4. PROJECT TITLE		5. PROJECT NUMBER				
Family Housing New Construction		28059				
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	COST/ NET SF	NO. UNITS	COST (\$000)
SNCO	4	1450	1.26	53.00	20	1,937
SNCO	3	1350	1.26	53.00	50	4,509
JRNCO	2	950	1.26	53.00	120	7,614
JRNCO	3	1200	1.26	53.00	18	1,443
JRNCO	4	1350	1.26	53.00	12	1,083
					220	16,586
<p><b>PROJECT:</b> Construct 220 junior and senior noncommissioned officer family housing dwelling units and support facilities. (Current Mission)</p> <p><b>REQUIREMENT:</b> This project is required to provide permanent adequate on-post family housing facilities for military personnel and their families.</p> <p><b>CURRENT SITUATION:</b> There are currently 1,636 family housing units and 78 trailer sites on Fort Irwin. The waiting time for on-post family housing averages 7 months. The lack of on-post housing has forced personnel to live in the only populated area available, Barstow, California. The housing at Barstow is not considered suitable due to the average commuting distance of 42 miles one way and almost one hour travel time. Because of the type of extensive training conducted at the National Training Center, soldiers frequently train around the clock for several days. This causes excessive fatigue, exposing soldiers to driving hazards not normally encountered at other installations. Many soldiers who live off post utilize good judgement and elect not to go home during training breaks because of their fatigue. This limits the quality and quantity of time spent with the spouse and children causing psychological strain which adversely impacts the quality of Army life.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, newly restationed military personnel at Fort Irwin and their families will not have suitable housing available to them. The lack of suitable housing adversely impacts the quality of life of our soldiers and jeopardizes their effectiveness in carrying out their training mission.</p> <p><b>ADDITIONAL:</b> The Army Audit Agency has validated a housing deficit of more than 400 family quarters. New construction is the only alternative to reduce this deficit. This project has been coordinated with the Center's physical security plan, and no security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Coordination with the local Department of Education indicated no additional facility requirements.</p>						

MILITARY FAMILY HOUSING JUSTIFICATION					1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL	
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION								
5. DATA AS OF		a. NAME Fort Irwin AD6225				b. LOCATION Fort Irwin CA 92310-5000				
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED					
	OFFICER (a)	E6 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (a)	E6 - E4 (b)	E3 - E1 (c)	TOTAL (d)		
6. TOTAL PERSONNEL STRENGTH	657	2,960	736	4,353	674	3,360	833	4,867		
7. PERMANENT PARTY PERSONNEL	657	2,960	736	4,353	674	3,360	833	4,867		
8. GROSS FAMILY HOUSING REQUIREMENTS	433	1,825	140	2,398	426	2,028	155	2,609		
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	76	416	130	622						
a. INVOLUNTARILY SEPARATED	0	0	0	0						
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0						
c. UNACCEPTABLY HOUSED - IN COMMUNITY	76	416	130	622						
10. VOLUNTARY SEPARATIONS	1	25	4	30	1	28	4	33		
11. EFFECTIVE HOUSING REQUIREMENTS	432	1,800	136	2,368	425	2,000	151	2,576		
12. HOUSING ASSETS (a + b)	361	1,450	6	1,817	425	1,572	151	2,148		
a. UNDER MILITARY CONTROL	306	1,330	0	1,636	370	1,452	145	1,967		
(1) Housed in Existing DOD Owned/Controlled	301	1,264	0	1,565	306	1,209	121	1,636		
(2) Under Contract / Approved					64	243	24	331		
(3) Vacant	5	40	0	45						
(4) Inactive	0	26	0	26						
b. PRIVATE HOUSING	55	120	6	181	55	120	6	181		
(1) Acceptably Housed	55	120	6	181						
(2) Acceptable Vacant Potential	0	0	0	0						
13. EFFECTIVE HOUSING DEFICIT	71	350	130	551	0	428	0	428		
14. PROPOSED PROJECT					0	220	0	220		
15. REMARKS (Specify item number)										
<p>Line 12. The nearest community housing is 40 to 70 miles away from Fort Irwin. This is beyond the established standards for commuting.</p> <p>Line 14. The proposed project will construct 220 two, three and four bedroom dwelling units for junior and senior NCOs and increase the installation's inventory to 1,856 units. Army Audit Agency has validated a housing deficit of more than 400 family units.</p> <p>Senior NCO 4 Bedroom 20 Units            Senior NCO 3 Bedroom 50 Units            Junior NCO 4 Bedroom 12 Units            Junior NCO 3 Bedroom 18 Units            Junior NCO 2 Bedroom 120 Units</p>										



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Schofield Barracks Hawaii		4. COMMAND  US Army Pacific			5. AREA CONSTRUCTION COST INDEX  1.42	

6. PERSONNEL STRENGTH:											
	PERMANENT			STUDENTS			SUPPORTED				
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL	
A. AS OF 30 SEP 1992	7753	51809	812	21	115	0	0	0	538	61,048	
B. END FY 1999	7474	50886	819	24	75	0	0	0	538	59,816	

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	14,089 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	314,889
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	52,000
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	76,000
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	0
H. GRAND TOTAL.....	440,889

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY PROJECT			COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000)	START COMPLETE
711	34872	Family Housing New Construction	13,000	TURNKEY
711	37122	Family Housing New Construction	39,000	TURNKEY
TOTAL			52,000	

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
711	Family Housing New Construction	27,000
711	Family Housing New Construction	49,000
TOTAL		76,000
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:
<p>The primary mission of Schofield Barracks is to sustain the readiness status of the 25th Inf Div. Schofield Barracks provides administration, housing, and training facilities for troops as a peacetime division station headquarters for the 25th Inf Div. Schofield Barracks is one of the primary family housing sites in Hawaii operated by the Oahu Consolidated Family Housing Office (OCFHO). As such, the total family housing requirement, based on the population served, must be considered rather than only that of</p>



1. COMPONENT ARMY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Schofield Barracks                      Hawaii										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) Schofield Barracks. Therefore, block 6 above reflects total military population on Oahu rather than just that of Schofield Barracks.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="205 525 818 608"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">19,702</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">686</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	19,702	B. WATER POLLUTION	686	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	19,702									
B. WATER POLLUTION	686									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Schofield Barracks, Hawaii				Family Housing New Construction			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
88741A		711		34872		Auth 13,000 Approp 13,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							9,157
Family Housing Units (88)				SF	89,850	101.50	(9,120)
Building Information Systems				LS	--	--	(37)
<u>SUPPORTING FACILITIES</u>							2,552
Electric Service				LS	--	--	(1,064)
Water, Sewer, & Gas				LS	--	--	(392)
Paving, Walks, Curbs & Gutters				LS	--	--	(497)
Storm Drainage				LS	--	--	(200)
Site Imp( 324) Demo( )				LS	--	--	(324)
Information Systems				LS	--	--	(75)
ESTIMATED CONTRACT COST							11,709
CONTINGENCY PERCENT (5.00%)							585
SUBTOTAL							12,294
SUPERVISION, INSPECTION & OVERHEAD (6.50%)							799
TOTAL REQUEST							13,093
TOTAL REQUEST (ROUNDED)							13,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Construct 88 two and three bedroom family housing units for junior enlisted personnel at Schofield Barracks. Construction will consist of variously configured units/apartments at up to 18 units per acre with off street/under structure parking, and will utilize turnkey design/construction procurement procedures. Dwellings will be factory built/manufactured and/or built on site with conventional type construction. The design will include wood frame construction, brick veneer, or stucco and prefinished siding. Site work includes grading, paving, walks, recreation facilities, landscaping, drainage, street lighting and all utilities. Project will provide range, refrigerator, washer, dryer, dishwasher, garbage disposal, hot water heater and hard wired, interconnected smoke detectors. At least five percent of the quarters will be constructed such that they will be accessible and easily modifiable to accommodate the requirements of the handicapped. Central air conditioning will be installed where required due to lack of natural ventilation and/or high noise levels.							

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION							
Schofield Barracks, Hawaii							
4. PROJECT TITLE						5. PROJECT NUMBER	
Family Housing New Construction						34872	
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>							
GRADE	BED RMS	NET AREA	PROJECT FACTOR	\$/NSF	NO. OF UNITS	TOTAL (\$000)	
JRENL	2	950	1.45	\$70.00*	63	\$6,075	
JRENL	3	1200	1.45	\$70.00*	25	\$3,045	
					88	\$ 9,120	
* Includes \$15.00/NSF for vehicle parking under the structure.							
<u>PROJECT:</u> Construct 88 two and three bedroom units/apartments at Schofield Barracks for junior enlisted personnel. (Current Mission)							
<u>REQUIREMENT:</u> This project is required to reduce the existing housing shortage in the central Oahu area. Of the current island-wide long range deficit of 5088 units, more than 1800 housing units are required in central Oahu to support the 25th Infantry Division (Light) and other tenant or associate activities. Most of the deficit occurs in the junior enlisted grades. The addition of lower grade enlisted personnel has increased waiting times up to two years. This coupled with their low housing allowance subsistences, which are inadequate when competing for rentals in the local sector, impact families' quality of life and the service members' ability to perform their missions.							
<u>CURRENT SITUATION:</u> The Oahu rental market is tight and costly. The 0.5 to 1.5 percent housing vacancy rate on Oahu is one of the lowest for any urban area in the nation. Honolulu's rental rate is the highest in the nation based on rates published by the Honolulu Star Bulletin in July 1992. The average monthly rental for a one bedroom rental unit is \$1015. Service members must pay 25 to 50 percent more than their housing allowance for their rent. At present there are 6006 existing units in Central Oahu at Schofield Barracks, Wheeler Army Air Field, Camp Stover, Helemano, and NCTAMS EASTPAC. Projects being implemented and programmed in FY 92 and FY 93 will reduce the 1800 unit deficit by approximately 560 units. Due to the limited availability of land, construction at higher than normal density per acre, including underground or basement level parking is being pursued. Sewage disposal can be accommodated at the Army owned treatment plant at Wheeler Army Airfield. A project to expand the treatment plant capacity to accommodate the units in this project is being programmed separately.							
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the severe Oahu family housing shortages for all service members will continue. Service members and their families will continue to depend on the private sector to meet their housing needs. They will continue to compete with the local economy for scarce affordable rentals. Many families will be forced to live in low-quality housing, and their quality of life will be reduced. The poor quality of life for service members and their families will have an adverse affect on morale and combat readiness.							

1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		APRIL 1993	
Schofield Barracks, Hawaii			
4. PROJECT TITLE		5. PROJECT NUMBER	
Family Housing New Construction		34872	
<p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Coordination with the local Department of Education is being conducted to determine if additional school facilities are required.</p>			

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Schofield Barracks, Hawaii</b>			4. PROJECT TITLE <b>Family Housing New Construction</b>		
5. PROGRAM ELEMENT <b>88741A</b>	6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>37122</b>	8. PROJECT COST (\$000) Auth      39,000 Approp    39,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					26,668
Construct Housing Units (260)		SF	267,000	99.40	(26,540)
Building Information Systems		LS	--	--	(128)
<b>SUPPORTING FACILITIES</b>					8,401
Electric Service		LS	--	--	(1,726)
Water, Sewer, Gas		LS	--	--	(969)
Paving, Walks, Curbs And Gutters		LS	--	--	(1,526)
Storm Drainage		LS	--	--	(861)
Site Imp( 991) Demo( 2,052)		LS	--	--	(3,043)
Information Systems		LS	--	--	(276)
ESTIMATED CONTRACT COST					35,069
CONTINGENCY PERCENT (5.00%)					1,753
SUBTOTAL					36,822
SUPERVISION, INSPECTION & OVERHEAD (6.50%)					2,393
TOTAL REQUEST					39,215
TOTAL REQUEST (ROUNDED)					39,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction      Construct 260 two and three bedroom junior noncommissioned officer family quarters and demolish 135 units which are uneconomical to revitalize (145,370 SF) at Schofield Barracks. Construction will consist of variously configured units/apartments at approximately 14 units per acre with off street/under structure parking, and will utilize turnkey design/construction procurement procedures. Dwelling units will be factory built houses or conventionally site built houses. The design will include wood frame construction, brick veneer, or stucco and prefinished siding. Supporting facilities include underground utilities, street lights, underground information systems, paving, walks, curbs and gutters, storm drainage, tot lots and landscaping. Project will provide kitchen range, refrigerator, washer, dryer, garbage disposal, hot water heater, dishwasher and hard wired, interconnected smoke detectors. At least five percent of the dwelling units will be accessible and easily modifiable to accommodate the requirements of the handicapped. Central air conditioning will be installed where required due to lack of natural ventilation and/or high noise levels. Demolition will require disposal of asbestos and lead base paint material.					

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
ARMY					APRIL 1993	
3. INSTALLATION AND LOCATION						
Schofield Barracks, Hawaii						
4. PROJECT TITLE					5. PROJECT NUMBER	
Family Housing New Construction					37122	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
Grade	No of Bedrooms	Net Area	Project Factor	\$/NSF	No of Units	Total Cost (\$000)
JNCO	2	950	1.42	70.00*	180	16,998
JNCO	3	1,200	1.42	70.00*	80	9,542
					260	26,540
* Includes \$15.00/NSF for underground/basement parking						
PROJECT: Construct 260 two and three bedroom junior noncommissioned officer family quarters and demolish 135 units at Schofield Barracks. (Current Mission)						
REQUIREMENT: This project is required to replace existing family housing units that are uneconomical to revitalize and to reduce the housing shortage in the central Oahu area by increasing the density of units per acre.						
CURRENT SITUATION: The existing units do not meet acceptable standards of size, comfort and habitability. Constructed in 1964, the units are worn, deteriorated and contain asbestos and lead base paint. The living, dining, kitchen, bedrooms and bathroom areas require extensive repair and redesign. An additional bathroom is required and the electrical system needs to be upgraded. The incandescent lighting is poor and not energy efficient. The kitchen and bathroom fixtures and facilities are deteriorated and require replacement. Presently, the site has limited available parking spaces and carports. On-street parking is overcrowded making most streets accessible to one-way traffic only. The sewer lines are old and deteriorated, requiring replacement. In addition, the Oahu rental market is tight and costly, with one of the lowest vacancy rates in the nation. The resulting housing deficit, combined with the limited availability of land, requires construction of housing at higher than normal density per acre, including use of underground or basement level parking.						
IMPACT IF NOT PROVIDED: If this project is not provided, energy and maintenance costs will increase, inadequate quarters will remain in use, efforts to reduce the existing housing deficit will be hindered, and the health, safety and quality of life of the occupants will be adversely affected.						
ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. An economic analysis comparing replacement construction with other alternatives indicates the cost effectiveness of this project. On the basis of net present value, as						

1. COMPONENT <b>ARMY</b>	<b>FY 1994      MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION <b>Schofield Barracks, Hawaii</b>		
4. PROJECT TITLE <b>Family Housing New Construction</b>		5. PROJECT NUMBER <b>37122</b>
<p><b>ADDITIONAL:      (CONTINUED)</b></p> <p>calculated over the life of the project, replacement, permitting construction of additional housing at higher density per acre, was found to be the most cost effective alternative. Coordination with the local Department of Education is being conducted to determine if additional school facilities are required.</p>		



MILITARY FAMILY HOUSING JUSTIFICATION					1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL	
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION				5. LOCATION				
5. DATA AS OF		a. NAME Consolidated Housing Office A15635				b. LOCATION Honolulu, Hawaii HI 96858-5000 USA				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED				
		OFFICER (N)	E8 - E4 (B)	E3 - E1 (C)	TOTAL (D)	OFFICER (N)	E8 - E4 (B)	E3 - E1 (C)	TOTAL (D)	
6. TOTAL PERSONNEL STRENGTH		7,774	38,786	13,138	59,698	7,498	38,212	12,749	58,459	
7. PERMANENT PARTY PERSONNEL		7,753	38,674	13,135	59,562	7,482	38,139	12,747	58,368	
8. GROSS FAMILY HOUSING REQUIREMENTS		4,902	23,696	2,117	30,715	4,707	23,670	2,095	30,472	
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)		211	5,326	1,122	6,659					
a. INVOLUNTARILY SEPARATED		17	207	101	325					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		1	5	3	9					
c. UNACCEPTABLY HOUSED - IN COMMUNITY		193	5,114	1,018	6,325					
10. VOLUNTARY SEPARATIONS		70	331	213	614	70	331	213	614	
11. EFFECTIVE HOUSING REQUIREMENTS		4,832	23,365	1,904	30,101	4,637	23,339	1,882	29,858	
12. HOUSING ASSETS (a + b)		6,514	18,670	816	26,000	4,306	20,513	1,482	26,301	
a. UNDER MILITARY CONTROL		3,489	15,932	399	19,820	1,281	17,775	1,065	20,121	
(1) Housed in Existing DOD Owned/Controlled		3,391	15,296	365	19,052	1,281	17,484	1,065	19,830	
(2) Under Contract / Approved						0	291	0	291	
(3) Vacant		90	470	12	572					
(4) Inactive		8	166	22	196					
b. PRIVATE HOUSING		3,025	2,738	417	6,180	3,025	2,738	417	6,180	
(1) Acceptably Housed		3,025	2,738	417	6,180					
(2) Acceptable Vacant Rental		0	0	0	0					
13. EFFECTIVE HOUSING DEFICIT		(1,682)	4,695	1,088	4,101	331	2,826	400	3,557	
14. PROPOSED PROJECT						0	260	88	348	
15. REMARKS (Specify item number)		#13. The Army recognized a deficit exists in Hawaii due to mission requirements				23	4,652	413	5,088	

Line 14. There are two proposed projects. The first project will construct 88 units at Schofield Barracks consisting of two and three bedroom units in three story apartments for junior enlisted. The second project will demolish 135 units and construct 260 units consisting of two and three bedroom units in three story apartments for junior NCOs. There is a current deficit of 5,088 units, with more than 1,800 units required to support the 25th Infantry Division (Light). Projects being implemented and programmed for FY 92 and FY 93 will reduce the 1,800 unit deficit by approximately 560 units.

Junior Enlisted	2 Bedroom	63 Units	Junior NCO	2 Bedroom	180 Units
Junior Enlisted	3 Bedroom	25 Units	Junior NCO	3 Bedroom	80 Units

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort Meade Maryland	4. COMMAND  US Army Forces Command		5. AREA CONSTRUCTION COST INDEX  1.05	

6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	TOTAL
A. AS OF 30 SEP 1992	798	1395	3568	2 33 0	1011 3976 22222 33,005
B. END FY 1999	1093	1939	2497	111 217 150	837 3773 22103 32,720

7. INVENTORY DATA (\$000)

A. TOTAL ACREAGE.....	13,437 AC	
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,027,131
C. AUTHORIZATION NOT YET IN INVENTORY.....		0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		26,000
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0
G. REMAINING DEFICIENCY.....		0
H. GRAND TOTAL.....		1,053,131

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:

CATEGORY PROJECT	CODE	NUMBER	PROJECT TITLE	COST (\$000)	DESIGN STATUS
	711	10127	Family Housing Replacement Construction	26,000	TURNKEY
TOTAL				26,000	

9. FUTURE PROJECTS:

CATEGORY	CODE	PROJECT TITLE	COST (\$000)
A. INCLUDED IN THE FY 1995 PROGRAM: NONE			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE			

10. MISSION OR MAJOR FUNCTIONS:

Logistically support and train post troop units; support Headquarters First United States Army, National Security Agency, and Intelligence Agency, provide First United States Army Field Maintenance; train reserve components; National Guard, and provide ROTC summer training facilities.

To provide Army family housing. The Army military housing community in Washington, DC consists of seven major duty sites within the metropolitan area, with strengths as shown below. Army family housing is located at five of these sites with the preponderance being at Forts Belvoir and Meade. The housing assignment policy for this area allows soldiers with family members the option to live at the location of their choice regardless of where they work.



1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
ARMY					APRIL 1993	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
Fort Meade, Maryland			Family Housing Replacement Construction			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)
88741A		711		10127		Auth 26,000 Approp 26,000
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>						
Replace 251 Units			SF	286,800	54.06	16,861
Revitalize duplex units			EA	24	52,900	(15,504)
Building Information Systems			LS	--	--	(1,270)
						(87)
<b>SUPPORTING FACILITIES</b>						
Electric Service			LS	--	--	6,906
Water, Sewer, Gas			LS	--	--	(728)
Paving, Walks, Curbs And Gutters			LS	--	--	(540)
Storm Drainage			LS	--	--	(925)
Site Imp( 1,032) Demo( 3,005)			LS	--	--	(483)
Information Systems			LS	--	--	(4,037)
						(193)
ESTIMATED CONTRACT COST						23,767
CONTINGENCY PERCENT (5.00%)						1,188
SUBTOTAL						24,955
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						1,497
TOTAL REQUEST						26,452
TOTAL REQUEST (ROUNDED)						26,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 275 junior enlisted substandard family quarters built in 1950 by replacing 317 multiplex quarters with 251 units and revitalizing 24 duplex units. The multiplex units are uneconomical to revitalize; however the 24 duplex units, by converting from 3 bedroom to 2 bedroom units, can be economically revitalized. Scope of work includes demolition of 317 substandard quarters, extension/modification of community support facilities and street and utility infrastructure and expansion of the housing area. Replacement dwelling units will be factory built or manufactured houses and/or conventionally on-site constructed houses. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Project will provide kitchen range, dishwasher, refrigerator, garbage disposal, hot water heater, hard wired interconnected smoke detectors and information (telephone and cable TV) systems. Five percent of the quarters will be accessible and easily modifiable to accommodate the requirements of the handicapped.						
		Net	Project	Unit	No.	(\$000)
Grade	Bedrooms	Area	Factor	Cost	Units	Total
JRENL	2	950	1.02	53.00	72	3,698

1. COMPONENT <b>ARMY</b>		2. DATE <b>APRIL 1993</b>																						
3. INSTALLATION AND LOCATION <b>Fort Meade, Maryland</b>																								
4. PROJECT TITLE <b>Family Housing Replacement Construction</b>		5. PROJECT NUMBER <b>10127</b>																						
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED) <table border="1"> <tr> <td>JRENL</td> <td>3</td> <td>1200</td> <td>1.02</td> <td>53.00</td> <td>155</td> <td>10,055</td> </tr> <tr> <td>JRENL</td> <td>4</td> <td>1350</td> <td>1.02</td> <td>53.00</td> <td>24</td> <td>1,751</td> </tr> <tr> <td colspan="5" style="text-align: right;">TOTAL</td> <td>251</td> <td>15,504</td> </tr> </table>				JRENL	3	1200	1.02	53.00	155	10,055	JRENL	4	1350	1.02	53.00	24	1,751	TOTAL					251	15,504
JRENL	3	1200	1.02	53.00	155	10,055																		
JRENL	4	1350	1.02	53.00	24	1,751																		
TOTAL					251	15,504																		
<p>Revitalization of the 24 duplex units includes redesigning living areas, kitchens, bathrooms, closets, mechanical rooms and interior storage within existing space. Replace flooring and underlayment, doors, windows, stairways, heating system with air conditioning, electric and plumbing systems, exterior steps, and complete painting. Asbestos and lead paint removal and abatement is required. Install new hot water heaters, dishwashers, garbage disposals, hard wired interconnected smoke detectors, wall and attic insulation and architectural window shutters. Support facility work includes site preparation, utilities with master meters, cable TV and telephone distribution, roads, walks, parking, tot lots, recreation center, athletic facilities, perimeter security fencing and landscaping. All units will include patios, carports with bulk storage, privacy screens and refuse container enclosures.</p>																								
<p><u>PROJECT:</u> Whole neighborhood revitalization of 275 substandard junior enlisted family housing units by revitalizing 24 units and replacing 317 units with 251 units including neighborhood amenities, infrastructure and energy conservation. (Current Mission)</p>																								
<p><u>REQUIREMENT:</u> This project is required to upgrade 774 substandard junior enlisted quarters (Phase II of III). These units were declared substandard in 1975 due to inadequate room size, high density of units per acre, and inadequate supporting infrastructure. This project will provide adequate family housing units for enlisted personnel assigned to Fort George G. Meade.</p>																								
<p><u>CURRENT SITUATION:</u> Enlisted personnel are occupying substandard housing units constructed during 1949 and 1950. These units fail to meet current space requirements, lack air conditioning which has been deferred since 1984 in anticipation of this project, contain outmoded installed equipment, require major functional improvements and do not provide an adequate standard of living and quality of life.</p>																								
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in substandard housing which will continue to deteriorate. This will adversely affect the health, safety and quality of life of these enlisted personnel and their families, with maintenance costs continuing to accelerate.</p>																								
<p><u>ADDITIONAL:</u> The economic analysis shows improvement to cost 73% of replacement housing. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1</p>																								

1. COMPONENT  ARMY	FY 1994      MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Meade, Maryland		
4. PROJECT TITLE  Family Housing Replacement Construction		5. PROJECT NUMBER  10127
ADDITIONAL: (CONTINUED) January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.		



MILITARY FAMILY HOUSING JUSTIFICATION					1. DATE OF REPORT 93-01-22	2. FISCAL YEAR 1993	REPORT CONTROL SYMBOL		
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION							
5. DATA AS OF		a. NAME Army Housing Community Washington, DC			b. LOCATION Fort Meade Housing Site Fort Meade, MD 20755-5115				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E8 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (a)	E8 - E4 (b)	E3 - E1 (c)	TOTAL (d)
6. TOTAL PERSONNEL STRENGTH		9,315	13,815	2,163	25,293	8,903	14,599	2,488	25,990
7. PERMANENT PARTY PERSONNEL		8,775	13,449	1,241	23,465	8,364	14,166	1,627	24,157
8. GROSS FAMILY HOUSING REQUIREMENT		7,038	9,684	566	17,288	6,726	10,101	734	17,561
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		221	527	127	875				
a. INVOLUNTARILY SEPARATED		27	132	0	159				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	99	94	193				
c. UNACCEPTABLY HOUSED - IN COMMUNITY		194	296	33	523				
10. VOLUNTARY SEPARATIONS		43	50	13	106	41	52	17	110
11. EFFECTIVE HOUSING REQUIREMENTS		6,995	9,634	553	17,182	6,685	10,049	717	17,451
12. HOUSING ASSETS (a + b)		6,842	9,424	426	16,692	6,685	9,581	426	16,692
a. UNDER MILITARY CONTROL		1,198	3,525	17	4,740	1,198	3,525	17	4,740
(1) Housed in Existing DOD Owned/Controlled		1,130	3,109	17	4,256	1,198	3,525	17	4,740
(2) Under Contract / Approved									0
(3) Vacant		48	149	0	197				
(4) Inactive		20	267	0	287				
b. PRIVATE HOUSING		5,644	5,899	409	11,952	5,487	6,056	409	11,952
(1) Acceptably Housed		5,644	5,899	409	11,952				
(2) Acceptable Vacant/Rental					0				
13. EFFECTIVE HOUSING DEFICIT		153	210	127	490	0	468	291	759
14. PROPOSED PROJECT						0	275	0	275
15. REMARKS (Specify item number)									
<p>The five Army installations located in the Washington Metro area provide the government living accommodations for soldiers and their families assigned to the area. Housing allowances have not kept pace with the rising cost of living in the Metro area, consequently, enlisted soldiers find a majority of the off-post housing priced beyond their ability to pay.</p> <p>Line 14. This project is sited at Fort Meade. The project demolishes 317 substandard units and replaces them with 251 new units, and revitalizes 24 other units. There is a net reduction to the housing inventory at the Fort Meade site.</p> <p>4 Bedroom Enlisted 24 Units 3 Bedroom Enlisted 155 Units 2 Bedroom Enlisted 72 Units</p>									



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  United States Military Academy New York	4. COMMAND  United States Military Academy	5. AREA CONSTRUCTION COST INDEX  1.13

6. PERSONNEL STRENGTH:										
PERMANENT			STUDENTS			SUPPORTED				
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	838	865	2407	0	4465	0	96	645	1470	10,786
B. END FY 1999	819	705	2472	0	4258	0	89	549	2755	11,647

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	29,511 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,715,641
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	20,700
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	14,200
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	2,700
H. GRAND TOTAL.....	1,753,241

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:				
CATEGORY	PROJECT		COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000)	START COMPLETE
711	17956	Family Housing Improvements	1,500	08/1992 04/1993
711	31106	Family Housing Improvements	4,200	08/1992 04/1993
711	39483	Family Housing Replacement Construction	15,000	TURNKEY
TOTAL			20,700	

9. FUTURE PROJECTS:		
CATEGORY		COST
CODE	PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM:		
711	Family Housing Improvements	2,150
711	Family Housing Improvements	3,350
711	Family Housing Replacement Construction	8,000
711	Family Housing Improvements	700
TOTAL		14,200
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		

10. MISSION OR MAJOR FUNCTIONS:
The mission of the United States Military Academy is to educate and train the Corps of Cadets so that each graduate shall have the attributes essential to professional growth as an officer of the Regular Army, and to inspire each to a lifetime of service to the Nation. The United States Military Academy is

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: United States Military Academy      New York										
<p>10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)</p> <p>the installation manager for Stewart Army Sub-Post, which is included for purposes of family housing.</p>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <tr> <td></td> <td>(5000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td>315</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td>777</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td>0</td> </tr> </table>				(5000)	A. AIR POLLUTION	315	B. WATER POLLUTION	777	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(5000)									
A. AIR POLLUTION	315									
B. WATER POLLUTION	777									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT <b>ARMY</b>		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>United States Military Academy, New York</b>				4. PROJECT TITLE <b>Family Housing Replacement Construction</b>			
5. PROGRAM ELEMENT <b>88741A</b>		6. CATEGORY CODE <b>711</b>		7. PROJECT NUMBER <b>39483</b>		8. PROJECT COST (\$000) Auth 15,000 Approp 15,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>							8,679
Family Housing				SF	138,400	57.77	(7,995)
Rock excavation				CY	6,000	88.49	(531)
Drainage Landings				LS	--	--	(123)
Information Systems				FA	100	300.00	(30)
<b>SUPPORTING FACILITIES</b>							4,880
Electric Service				LS	--	--	(488)
Water, Sewer, Gas				LS	--	--	(1,092)
Paving, Walks, Curbs And Gutters				LS	--	--	(402)
Storm Drainage				LS	--	--	(236)
Site Imp( 1,520) Demo( 1,072)				LS	--	--	(2,592)
Information Systems				LS	--	--	(70)
ESTIMATED CONTRACT COST							13,559
CONTINGENCY PERCENT (5.00%)							678
SUBTOTAL							14,237
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							854
TOTAL REQUEST							15,091
TOTAL REQUEST (ROUNDED)							15,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction      Whole neighborhood revitalization by replacement of 134 existing uneconomical to revitalize Wherry family housing units with 100 company grade and senior enlisted units to be constructed at a new site. Demolish 134 existing units (211,500 SF). Rock excavation and drainage landings for replacement housing are additional to the normal primary facility cost due to abnormal site conditions. Dwellings will be factory built/manufactured houses and/or conventionally on-site constructed houses. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Site improvements include a through access road, drainage, underground utilities (sized for future increments), sewage lift station, street lighting, traffic systems, neighborhood recreation, off-street parking, fencing and landscaping. At least five percent of the units will be accessible and easily modifiable to accommodate handicapped occupants. Quarters will be air-conditioned. Project will provide kitchen ranges, refrigerators, dishwashers, garbage disposals, hard wired interconnected smoke detectors, hot water heaters, washer and dryer connections, and wiring for information systems (telephone and TV). Exterior telephone and cable TV information systems will be provided by local telephone/TV companies.							

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>		
3. INSTALLATION AND LOCATION <b>United States Military Academy, New York</b>						
4. PROJECT TITLE <b>Family Housing Replacement Construction</b>				5. PROJECT NUMBER <b>39483</b>		
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
GRADE	BEDROOM	NET AREA	PROJECT FACTOR	UNIT COST	NO UNITS	(\$000) TOTAL
CGO	4	1450	1.09	53	34	2,848
SRENL	3	1350	1.09	53	66	5,147
					100	7,995
<p><b>PROJECT:</b> Demolish 134 Wherry dwelling units and replace with 100 dwelling units for company grade officer and senior enlisted personnel. This is the first of a three phase program to replace 336 units which are uneconomical to revitalize. (Current Mission)</p> <p><b>REQUIREMENT:</b> This project is required to provide adequate, energy efficient family housing for personnel assigned to the staff and faculty of the U.S. Military Academy at West Point by eliminating inadequate existing housing which is in poor condition and uneconomical to revitalize.</p> <p><b>CURRENT SITUATION:</b> The units to be demolished have had only minor improvements since their original construction in 1954 and require major investments to allow continued use as family housing. Due to their age and present condition, maintenance and utility costs have been increasing annually, and have higher than the installation average operating and maintenance costs.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, service members will continue to reside in inadequate, deplorable housing. Separation of mission assigned personnel from the duty station has and will continue to adversely affect Cadet instruction and training for a major segment of the West Point community. Current conditions will continue to cause command problems with respect to maintenance, community life issues and inconvenience to quarters occupants.</p> <p><b>ADDITIONAL:</b> The economic analysis shows improvement to cost 70% of replacement housing. This analysis supports replacement housing as more cost effective when compared over their useful life. USMA's current housing market analysis (SHMA) validates the lack of adequate housing on the economy. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>						

MILITARY FAMILY HOUSING JUSTIFICATION					1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL	
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION								
5. DATA AS OF		a. NAME USMA Military Reservation A36993				b. LOCATION West Point NY 10996-1982				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED				
		OFFICER (M)	E6 - E4 (N)	E3 - E1 (O)	TOTAL (P)	OFFICER (M)	E6 - E4 (N)	E3 - E1 (O)	TOTAL (P)	
6. TOTAL PERSONNEL STRENGTH		934	1,377	4,598	6,909	908	1,156	4,356	6,420	
7. PERMANENT PARTY PERSONNEL		934	1,192	124	2,250	908	1,156	98	2,162	
8. GROSS FAMILY HOUSING REQUIREMENTS		871	923	40	1,834	772	903	37	1,712	
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)		0	211	38	249					
a. INVOLUNTARILY SEPARATED		0	0	0	0					
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0					
c. UNACCEPTABLY HOUSED - IN COMMUNITY		0	211	38	249					
10. VOLUNTARY SEPARATIONS		18	8	0	26	13	4	0	17	
11. EFFECTIVE HOUSING REQUIREMENTS		853	915	40	1,808	759	899	37	1,695	
12. HOUSING ASSETS (a + b)		910	760	2	1,672	759	892	21	1,672	
a. UNDER MILITARY CONTROL		845	701	0	1,546	681	846	19	1,546	
(1) Housed in Existing DOD Owned/Controlled		788	645	0	1,433	681	846	19	1,546	
(2) Under Contract / Approved						0	0	0	0	
(3) Vacant		33	45	0	78					
(4) Inactive		24	11	0	35					
b. PRIVATE HOUSING		65	59	2	126	78	46	2	126	
(1) Acceptably Housed		65	59	2	126					
(2) Acceptably Vacant Rented		0	0	0	0					
13. EFFECTIVE HOUSING DEFICIT		(57)	155	38	136	0	7	16	23	
14. PROPOSED PROJECT						34	66	0	100	
15. REMARKS (Specify item number)										
Line 14. This project demolished 134 units and constructs 100 replacement units. This is the first of a three phase program that will ultimately replace 336 units which are uneconomical to revitalize.										
Company Grade 4 Bedroom 34 Units Seniro NCO 3 Bedroom 66 Units										

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM		2. DATE APRIL 1993
3. INSTALLATION AND LOCATION  Fort Bragg North Carolina	4. COMMAND  US Army Forces Command		5. AREA CONSTRUCTION COST INDEX  0.80

6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS		SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	4918	34475	4234	278	1858	0	250 1270 1466 48,749
B. END FY 1999	5261	34316	5029	289	1325	0	250 1271 1466 49,207

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	129,431 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	3,068,225
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	18,000
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	0
H. GRAND TOTAL.....	3,086,225

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:			
CATEGORY PROJECT		COST	DESIGN STATUS
CODE	NUMBER PROJECT TITLE	(\$000)	START COMPLETE
711	35561 Family Housing Replacement Construction	18,000	TURNKEY
TOTAL		18,000	

9. FUTURE PROJECTS:	
CATEGORY	COST
CODE PROJECT TITLE	(\$000)
A. INCLUDED IN THE FY 1995 PROGRAM: NONE	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE	

10. MISSION OR MAJOR FUNCTIONS:	
Support and training of an Airborne Division and non-divisional Support units; provides support to the USA John F. Kennedy Center for Military Assistance; XVIII Corps Headquarters and miscellaneous other tenant activities.	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	
	(\$000)
A. AIR POLLUTION	1,684
B. WATER POLLUTION	8,860
C. OCCUPATIONAL SAFETY AND HEALTH	0



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Bragg, North Carolina				Family Housing Replacement Construction			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
88741A		711		35561		Auth 18,000 Approp 18,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							11,223
Jr Enl Three BR Units				SF	268,800	41.55	(11,169)
Building Information Systems				LS	--	--	(54)
<u>SUPPORTING FACILITIES</u>							4,863
Electric Service				LS	--	--	(360)
Water, Sewer, Gas				LS	--	--	(450)
Paving, Walks, Curbs And Gutters				LS	--	--	(908)
Storm Drainage				LS	--	--	(155)
Site Imp( 1,185) Demo( 1,680)				LS	--	--	(2,865)
Information Systems				LS	--	--	(125)
ESTIMATED CONTRACT COST							16,086
CONTINGENCY PERCENT (5.00%)							804
SUBTOTAL							16,890
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,013
TOTAL REQUEST							17,903
TOTAL REQUEST (ROUNDED)							18,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction							
Whole neighborhood revitalization by replacement of 224 junior enlisted Capehart dwelling units constructed in 1958 that are not economical to revitalize. The existing 224 housing units will be demolished and the site expanded to reduce the high density of units. Buildings will consist of variously configured one and two story multi-units and/or detached one or two story duplex units. Dwelling units will be factory built or conventionally site built houses with carports and patios. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Supporting facilities include utilities, storm drainage, information (telephone and cable TV) systems, paving, walks, curbs and gutters, recreation facilities and landscaping. Project will provide kitchen range, refrigerator, garbage disposal, hot water heater, dishwasher and hard wired interconnected smoke detectors. At least five percent of the units will be accessible and easily modifiable to accommodate the requirements of the handicapped.							
Grade	Bedrooms	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total	
JRNC0	3	1200	0.784	53.00	224	11,169	



1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Bragg, North Carolina		
4. PROJECT TITLE  Family Housing Replacement Construction	5. PROJECT NUMBER  35561	
<p><b>PROJECT:</b> Whole neighborhood revitalization by replacement of 224 junior enlisted family housing units in housing areas 14 and 15 to current construction standards including the supporting infrastructure and neighborhood amenities. (Current Mission)</p> <p><b>REQUIREMENT:</b> This project is required to improve living conditions of junior enlisted Capehart family quarters, neighborhood amenities and support facilities to meet current standards of size, habitability and safety.</p> <p><b>CURRENT SITUATION:</b> These 224 dwelling units were constructed using the tract housing concept and suffer from numerous inadequacies typical of housing constructed under the Capehart program. Vehicle parking is lacking for residents, and visitors park on the grass. Interior and exterior storage is insufficient. The electrical systems are inadequate to accommodate the electronics that accompany today's typical family. The bathroom fixtures, plumbing, heating and air conditioning systems are deteriorated, require continual maintenance and repair, and need to be replaced. The two story units lack bathrooms on the first floor. Ceiling and wall insulation and thermal pane windows are required to improve energy efficiency. Roofs need to be replaced and the exterior finished with new siding. The overhead electrical wiring needs to be replaced with direct burial cable, existing water and sewer lines require replacement, and new playground equipment, privacy fences and landscaping are required. While these units are over thirty years old, they do not have the mature trees and landscaping associated with older neighborhoods. The units generally have a poor outside appearance and interior living environment.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, service members will continue to reside in inadequate housing which will continue to deteriorate. This adversely affects the health, safety and quality of life of these enlisted personnel and their families, with concurrent acceleration of maintenance costs.</p> <p><b>ADDITIONAL:</b> The economic analysis shows revitalization to cost more than 100% of replacement of existing housing. This analysis shows replacement of existing housing to be more cost effective than revitalization when compared over their useful life. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION					1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL	
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION a. NAME Fort Bragg A37225			b. LOCATION Fayetteville NC 28307-5000					
5. DATA AS OF										
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED				
	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)		
6. TOTAL PERSONNEL STRENGTH	5,443	30,405	7,180	43,028	5,797	29,844	7,048	42,689		
7. PERMANENT PARTY PERSONNEL	5,305	29,269	7,129	41,703	5,641	29,074	6,917	41,632		
8. GROSS FAMILY HOUSING REQUIREMENT	3,796	17,996	1,300	23,092	4,036	17,876	1,261	23,173		
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	0	1,174	33	1,207						
a. INVOLUNTARILY SEPARATED	0	121	23	144						
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	1	0	1						
c. UNACCEPTABLY HOUSED - IN COMMUNITY	0	1,052	10	1,062						
10. VOLUNTARY SEPARATIONS	289	1,646	175	2,110	307	1,636	170	2,113		
11. EFFECTIVE HOUSING REQUIREMENTS	3,507	16,350	1,125	20,982	3,729	16,240	1,091	21,060		
12. HOUSING ASSETS (a + b)	3,759	15,384	1,102	20,245	3,729	15,509	1,091	20,329		
a. UNDER MILITARY CONTROL	988	3,549	306	4,843	987	3,799	303	5,089		
(1) Housed in Existing DOD Demand/Controlled	946	3,341	296	4,583	987	3,686	166	4,839		
(2) Under Contract / Approved					0	113	137	250		
(3) Vacant	38	167	10	215						
(4) Inactive	4	41	0	45						
b. PRIVATE HOUSING	2,771	11,835	796	15,402	2,742	11,710	788	15,240		
(1) Acceptably Housed	2,771	11,835	796	15,402						
(2) Acceptable Vacant Rental	0	0	0	0						
13. EFFECTIVE HOUSING DEFICIT	(252)	966	23	737	0	731	0	731		
14. PROPOSED PROJECT					0	224	0	224		
15. REMARKS (Specify item number)										
<p>Line 12b. Suitable community housing of the type needed is in short supply. The greatest need is affordable housing for lower enlisted grades. Although over 400 community housing units are available, almost all are priced beyond the reach of this group.</p> <p>Line 14. The proposed project consists of revitalizing 224 three bedroom dwelling units by replacement for junior enlisted personnel in housing areas 14 and 15 that are uneconomical to revitalize. There will be no net change to the inventory as a result of this project.</p>										

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION  Fort McCoy Wisconsin		4. COMMAND  US Army Forces Command			5. AREA CONSTRUCTION COST INDEX  1.08	

6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS		SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	37	108	969	72	342	86	2,180
B. END FY 1999	16	62	1456	116	220	132	2,564

7. INVENTORY DATA (\$000)	
A. TOTAL ACREAGE.....	60,479 AC
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	893,203
C. AUTHORIZATION NOT YET IN INVENTORY.....	0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	2,950
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0
G. REMAINING DEFICIENCY.....	0
H. GRAND TOTAL.....	896,153

8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:			
CATEGORY PROJECT		COST	DESIGN STATUS
CODE	NUMBER	PROJECT TITLE	(\$000) START COMPLETE
711	12382	Family Housing Replacement Construction	2,950
TOTAL			2,950

9. FUTURE PROJECTS:	
CATEGORY	COST
CODE	PROJECT TITLE (\$000)
A. INCLUDED IN THE FY 1995 PROGRAM: NONE	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE	

10. MISSION OR MAJOR FUNCTIONS:

The mission of Fort McCoy is to serve as a major support command for Active and Reserve Component activities in a six state region. Support services include providing facilities and training opportunities for Reserve and National Guard units (including maintenance for USAR equipment), and other activities. Fort McCoy is also a mobilization installation and serves as a host installation for a variety of tenants and user activities.

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:	
	(\$000)
A. AIR POLLUTION	0



1. COMPONENT <b>ARMY</b>		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort McCoy, Wisconsin</b>				4. PROJECT TITLE <b>Family Housing Replacement Construction</b>			
5. PROGRAM ELEMENT <b>88741A</b>		6. CATEGORY CODE <b>711</b>		7. PROJECT NUMBER <b>12382</b>		8. PROJECT COST (\$000) Auth <b>2,950</b> Approp <b>2,950</b>	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							1,427
Family Housing 16 Units				SF	23,525	60.45	(1,422)
Building Information Systems				LS	--	--	(5)
<u>SUPPORTING FACILITIES</u>							1,217
Electric Service				LS	--	--	(200)
Water, Sewer, & Gas				LS	--	--	(407)
Paving, Walks, Curbs & Gutters				LS	--	--	(129)
Storm Drainage				LS	--	--	(22)
Site Imp( 280) Demo( 179)				LS	--	--	(459)
ESTIMATED CONTRACT COST							2,644
CONTINGENCY PERCENT (5.00%)							132
SUBTOTAL							2,776
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							167
TOTAL REQUEST							2,943
TOTAL REQUEST (ROUNDED)							2,950
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization by replacement of 16 existing substandard family housing units with 16 three, four and five bedroom officer and senior noncommissioned officer family dwelling units with garages and demolish 16 substandard quarters with garages (31,131 square feet). Construction will consist of variously configured multi-units and single buildings. Dwelling units will be factory built or manufactured houses and/or conventionally constructed on site. The dwelling units will be heated and air conditioned with natural gas furnaces. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Project will provide appliances, laundry hook-up and wiring for information systems (telephone and TV). At least five percent of the dwelling units will be constructed such that they may be easily modified to accommodate handicapped occupants. Supporting facilities include grading, paving, curb and gutter, sidewalks, driveways, recreational facilities, tot lots, landscaping, storm drainage, sewage lift station, street lighting and utilities. The site and common use facilities will be accessible to the physically handicapped.							

1. COMPONENT		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
ARMY					APRIL 1993	
3. INSTALLATION AND LOCATION						
Fort McCoy, Wisconsin						
4. PROJECT TITLE					5. PROJECT NUMBER	
Family Housing Replacement Construction					12382	
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
GRADE	NUMBER BEDROOM	NET AREA	PROJ FACTOR	\$/NSF	NUMBER UNITS	TOTAL COST (\$000)
CO	4	1870	1.14	53.00	1	113
FGO	3	1400	1.14	53.00	3	254
FGO	4	1550	1.14	53.00	3	281
CGO	4	1450	1.14	53.00	3	263
CGO	3	1350	1.14	53.00	3	245
SEN NCO	5	1705	1.14	53.00	1	103
SEN NCO	3	1350	1.14	53.00	2	163
					16	1,422
<p><b>PROJECT:</b> Whole neighborhood revitalization by replacement of 16 substandard officer and senior noncommissioned officer family dwelling units to current construction standards including the supporting infrastructure, energy conservation and neighborhood amenities. (Current Mission)</p> <p><b>REQUIREMENT:</b> This project is required to provide adequate family housing facilities for military personnel of Fort McCoy and their families. Adequate permanent facilities do not exist on post.</p> <p><b>CURRENT SITUATION:</b> All 16 existing on post family quarters are substandard, none of which were originally designed as family housing. Approximately 40 years old, these structures were converted from other uses to family housing. They contain asbestos, lead base paint and are costly to operate and maintain. The existing community housing inventory and its rate of expansion are minimally adequate to support the needs of the local population, but not to support the housing needs of Fort McCoy's military population. A 31 December 1989 Segmented Housing Market Analysis identified a housing shortage. The local housing industry is not capable of building enough new units to meet the housing needs of Ft. McCoy even in an extremely strong rental housing market, much less in the current rental housing market. This exacerbates the already severe housing shortage for Fort McCoy personnel. Median household income is 85 percent of the national average with dispersion skewed toward low income. This income distribution places a severe demand on reasonably priced housing, most of which are for sale as owner occupied units. Vacancy rates of less than .3 percent cause military personnel to pay higher prices for smaller, lower quality housing with longer commute distances.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, adequate housing will not be available, high maintenance and energy costs will continue to accelerate, and the health, safety and quality of life of the occupants will continue to be adversely affected.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical</p>						



1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort McCoy, Wisconsin		
4. PROJECT TITLE  Family Housing Replacement Construction	5. PROJECT NUMBER  12382	
<p>ADDITIONAL: (CONTINUED)</p> <p>security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		



MILITARY FAMILY HOUSING JUSTIFICATION					1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL	
3. DOD COMPONENT <b>ARMY</b>		4. REPORTING INSTALLATION								
5. DATA AS OF		a. NAME Fort McCoy A55425				b. LOCATION Sparta WI 54656-5000				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED				
		OFFICER (A)	E8 - E4 (B)	E3 - E1 (C)	TOTAL (D)	OFFICER (A)	E8 - E4 (B)	E3 - E1 (C)	TOTAL (D)	
6. TOTAL PERSONNEL STRENGTH		152	489	49	690	173	334	14	521	
7. PERMANENT PARTY PERSONNEL		82	198	9	289	60	140	6	206	
8. SPOUS FAMILY HOUSING REQUIREMENTS		72	168	3	243	53	120	2	175	
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		21	41	3	65					
a. INVOLUNTARILY SEPARATED		3	6	0	9					
b. 1/4 MILITARY HOUSING TO BE DISPOSED/REPLACED		2	10	1	13					
c. UNACCEPTABLY HOUSED - IN COMMUNITY		16	25	2	43					
10. VOLUNTARY SEPARATIONS		2	14	0	16	1	9	0	10	
11. EFFECTIVE HOUSING REQUIREMENTS		70	154	3	227	52	111	2	165	
12. HOUSING ASSETS (a + b)		49	118	1	168	34	71	0	105	
a. UNDER MILITARY CONTROL		25	55	0	80	25	55	0	80	
(1) Housed in Existing DOD Owned/Controlled		25	55	0	80	25	55	0	80	
(2) Under Contract / Approved									0	
(3) Vacant		0	0	0	0					
(4) Inactive		0	0	0	0					
b. PRIVATE HOUSING		24	63	1	88	9	16	0	25	
(1) Acceptably Housed		24	58	0	82					
(2) Acceptable Vacant Rental		0	5	1	6					
13. EFFECTIVE HOUSING DEFICIT		21	36	2	59	18	40	2	60	
14. PROPOSED PROJECT						13	3	0	16	
15. REMARKS (Specify item number)										
Line 12b: Currently Fort McCoy does not have any adequate housing on-post. There are 128 families on the waiting list. This situation has placed a strain on military readiness of the installation. The commander must have his key and essential personnel ready at hand during any military emergency or national crisis. The housing in the community is scarce and is not affordable for junior military personnel.										
Line 14: This project demolishes 16 substandard units and replaces them with 16 new units.										
4 Bedroom Senior Officer 1 Unit										
4 Bedroom Field Grade Officer 3 Units										
3 Bedroom Field Grade Officer 3 Units										
4 Bedroom Company Grade Officer 3 Units										
3 Bedroom Company Grade Officer 3 Units										
5 Bedroom Senior NCO 1 Unit										
3 Bedroom Senior NCO 2 Units										

April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
POST ACQUISITION CONSTRUCTION

	(\$ In Thousands)
FY 1994 Program	67,530
FY 1993 Current Est	92,600

Purpose and Scope

The Army operates and maintains an inventory of over 145,000 family housing units. The average age of these units exceeds 30 years. Many of these units require major expenditures for improvements or revitalization to meet contemporary living standards and to provide some of the modern amenities found in comparable community housing. The Post Acquisition program provides this needed revitalization. The proposed work will increase the useful life of our investment by 35 years and concurrently accomplish delayed/deferred maintenance and repairs.

The Army is continuing to place major emphasis on the "whole neighborhood" revitalization concept which considers the requirement of the total neighborhood including the dwelling units, supporting utilities, energy conservation, roads, playgrounds, and community facilities. This will eliminate much of the existing stereotype construction, upgrade quarters to more livable condition, and provide functional units in more attractive housing areas. Economic analyses have been used to determine whether revitalization or replacement housing is the wiser long-term investment. We have eliminated overseas post acquisition construction projects from this submittal due to the uncertainties involved in overseas basing, especially in Europe. We are not neglecting our overseas locations; however we are budgeting only maintenance and repair requirements essential to restoring badly deteriorated facilities.

Program Summary

Authorization is requested for appropriation for whole neighborhood revitalization and improvements of 1,125 units as follows:

a. Projects to exceed the \$50,000 per dwelling unit (adjusted by the area construction factor) statutory funding limitation to perform:

(1) Whole neighborhood revitalization of 83 units at Fort Carson, CO.

(2) Whole neighborhood revitalization of 7 units at Savanna Army Depot, IL.

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(3) Revitalization of one historic General Officer quarters by installing central airconditioning, replacing the heating system and repairing interior at Fort Leavenworth, KS.

(4) Whole neighborhood revitalization of 154 units at Fort Campbell, KY.

(5) Whole neighborhood revitalization of 7 units, including two General Officer quarters, and revitalization of 5 units at Aberdeen Proving Ground, MD.

(6) Whole neighborhood revitalization of 50 units at White Sands Missile Range, NM.

(7) Whole neighborhood revitalization of 58 units at the United States Military Academy, NY.

(8) Whole neighborhood revitalization of 270 units at Fort Lee, VA.

(9) Whole neighborhood revitalization of 73 historic units, including 3 General Officer quarters, at Fort Monroe, VA.

b. Various improvements to existing family quarters with costs less than the statutory funding limitation.

Authorization is requested to exceed the maximum net square footage (NSF) limitation as set forth in Section 2826, Title 10, United States Code, for two General Officer quarters at Fort Jackson, SC. The project (enclosing atriums) would increase the quarters by 77 and 98 NSF. Funding will be from proceeds obtained through an approved land sale to a private developer.

#### Funding Summary

Regular	Requested
Improvements	Authorization
Program	Amount
(\$000)	(\$000)
<u>\$67,530</u>	<u>\$67,530</u>

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993?</b>	
3. INSTALLATION AND LOCATION <b>Various Locations - Continental and Overseas</b>			4. PROJECT TITLE <b>Army Family Housing Post Acquisition Construction</b>		
5. PROGRAM ELEMENT <b>88742A</b>	6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>AFH</b>	8. PROJECT COST (\$000) Auth <b>67,530</b> Approp <b>67,530</b>		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
Post Acquisition Construction Improvements			LS		67,530
Projects qualifying for the Defense Energy Conservation Investment Program (ECIP)			LS		0
TOTAL					67,530
10. Description of Proposed Construction					
<p>These projects provide needed revitalization of family housing units that do not meet contemporary criteria for livability. Revitalization projects provide for renewal of the whole house which considers upgrading kitchens (to include dishwashers, garbage disposals and range hoods) and bathrooms, installation of new half-baths (where required), increasing net square footage to space currently authorized, installation of central air conditioning and heating systems, relocation of ductwork above ceilings as required to prevent the possibility of termiticide contamination, exterior storage, carports, parking, patios, and replacement of supporting infrastructure i.e.: utility distribution, storm sewers, roads, landscaping and recreation facilities.</p> <p>Selected projects will eliminate the substandard condition in those units currently classified as substandard.</p>					

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Various Locations - Continental and Overseas		
4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER	
<p>11. REQUIREMENTS: The numerous acquisitions of the post war period have left a legacy of houses that are over thirty five years old which require major revitalization. The improvement requirements of the inventory have increased faster than prior years programs have met. Consequently, there is an on going requirement to renew and upgrade quarters including upgrading/replacement of the supporting infrastructure and recreational facilities. Units must be revitalized/improved due to age and obsolescence as contemporary standards have evolved. Since units are fully occupied and in high demand, accomplishing the program requires that a systematic revitalization effort be maintained. Units have deteriorated support systems and size/functionality deficiencies that are not adequate for today's family.</p> <p>IMPACT IF NOT PROVIDED: The desired/required improvements to our service members' quality of life will not be realized. Family housing units and supporting systems will continue to be used as is with increasing obsolescence, recurring maintenance costs and unnecessarily high energy use. The President's goal of 20% energy reduction between 1985 and 2000 will not be met. Soldiers and their families will continue to live in quarters that are below accepted standards, affecting their duty performance and adversely impacting on the Army's mission.</p>		





1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
3. INSTALLATION AND LOCATION			
Various Locations - Continental and Overseas			
4. PROJECT TITLE		5. PROJECT NUMBER	
Army Family Housing Post Acquisition Construction			
DESCRIPTION OF WORK TO BE ACCOMPLISHED			
Country/State Installation and Project			
	Post Acquisition Construction	ECIP	CWE (\$000) Total
	-----	----	-----
Kentucky			
Fort Campbell			
(Project Number 17751)	10,200		
Whole neighborhood revitalization of company and field grade officer family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 154 units. (Separate DD Form 1391 is attached).			
Installation Total			10,200
Maryland			
Aberdeen Proving Ground			
(Project Number 5062)	4,000		
Whole neighborhood revitalization of company grade officer and senior noncommissioned officer family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 120 units.			
(Project Number 5063)	1,800		
Whole neighborhood revitalization of senior and field grade officer and command sergeants major family housing comparable to new construction standards including energy conservation improvements - 39 units.			
(Project Number 17649)	110		
Whole neighborhood revitalization of General Flag Officer's Quarters comparable to new construction standards including energy conservation improvements - 2 units. (Separate DD Form 1391 is attached).			
(Project Number 39370)	460		
Revitalize senior and field grade officer family housing comparable to new construction standards including energy conservation improvements - 5 units. (Separate DD Form 1391 is attached).			
Installation Total			6,370



1. COMPONENT		2. DATE	
ARMY		APRIL 1993	
FY 1994 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION			
Various Locations - Continental and Overseas			
4. PROJECT TITLE		5. PROJECT NUMBER	
Army Family Housing Post Acquisition Construction			
DESCRIPTION OF WORK TO BE ACCOMPLISHED			
Country/State Installation and Project			
	Post Acquisition Construction	ECIP	CWE (\$000) Total
	-----	----	-----
New Mexico			
White Sands Missile Range			
(Project Number 3943)	3,300		
Whole neighborhood revitalization of junior enlisted family housing comparable to new construction standards including supporting infrastructure and energy conservation improvements - 50 units. (Separate DD Form 1391 is attached).			
Installation Total			3,300
New York			
United States Military Academy			
(Project Number 17956)	1,500		
Revitalize junior enlisted family housing quarters. Renovate kitchen and bathrooms, relocate laundry to basement, replace plumbing and sanitary lines, electrical upgrade, enlarge closets, repair plaster walls and ceilings and basement walls and floor, repair or replace windows and install whole house attic fan - 40 units.			
(Project Number 31106)	4,200		
Revitalize historic field grade officer family housing quarters, phase two of three phases of work. Renovate and reconfigure kitchen, bathrooms and laundry area; replace windows and exterior doors including overhead garage door; repair or replace plaster walls and ceilings; upgrade electrical system; provide central air conditioning; remove asbestos; repair slate roof, front and rear porches and paint interior and exterior. Support facility work includes widening driveway and walks - 58 units. (Separate DD Form 1391 is attached).			
Installation Total			5,700

1. COMPONENT <b>ARMY</b>	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APRIL 1993</b>
3. INSTALLATION AND LOCATION  <b>Various Locations - Continental and Overseas</b>		
4. PROJECT TITLE <b>Army Family Housing Post Acquisition Construction</b>		5. PROJECT NUMBER
DESCRIPTION OF WORK TO BE ACCOMPLISHED		
Country/State Installation and Project		
	Post Acquisition Construction -----	CWE (\$000)  ECIP ----- Total -----
Oklahoma		
Fort Sill		
(Project Number 16305) 8,600		
Whole neighborhood revitalization of field and company grade officer and senior noncommissioned officer family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 221 units.		
Installation Total		8,600
South Carolina		
Fort Jackson		
(Project Number 40894) 0		
Improve General Officer's Quarters by enclosing the atrium located in the center of these houses. Water is leaking along the atrium perimeter, causing structural problems. Work includes repairing damaged building components, installing a new roof and finishing the enclosed space. Enclosing the central atrium will add 112 net square feet (NSF) per unit, resulting in quarters with 2,387 and 2,198 NSF which exceeds the limits imposed by statute by 77 and 98 NSF respectively. Authorization to exceed the limitation is requested. Funding for this project (\$30,000) will be from the proceeds received from the sale of the former Gregg Circle Area to a private developer - 2 units.		
Installation Total		0
Virginia		
Fort Lee		
(Project Number 17028) 15,000		
Whole neighborhood revitalization of junior enlisted family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 270 units. (Separate DD Form 1391 is attached).		
Installation Total		15,000

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas					
4. PROJECT TITLE Army Family Housing Post Acquisition Construction				5. PROJECT NUMBER	
DESCRIPTION OF WORK TO BE ACCOMPLISHED					
Country/State Installation and Project					
				Post Acquisition Construction -----	CWE (\$000)  ECIP ----- Total -----
Virginia Fort Monroe (Project Number 25517)				11,800	
Whole neighborhood revitalization of historic general, field and company grade officer and enlisted family housing quarters. Repair or replace windows, construct full and half baths, provide additional kitchen and storage cabinets and shelves, add closets, provide ground fault interrupt receptacles, upgrade insulation, extend fire separation walls, renovate existing baths, repair and refinish all walls and ceilings, repoint brickwork and upgrade supporting infrastructure and neighborhood recreational facilities - 73 units. (Separate DD Form 1391 is attached).					
Installation Total					11,800
USA TOTALS				67,530	67,530
Total USA and Overseas				67,530	67,530

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Carson, Colorado</b>			4. PROJECT TITLE <b>Family Housing Improvements</b>		
5. PROGRAM ELEMENT <b>88742A</b>	6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>38475</b>	8. PROJECT COST (\$000) Auth <b>5,900</b> Approp <b>5,900</b>		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					<b>3,944</b>
Revitalize Officer Quarters		FA	83	47,518	(3,944)
<b>SUPPORTING FACILITIES</b>					<b>1,135</b>
Electric Service		LS	--	--	(136)
Water, Sewer, Gas		LS	--	--	(589)
Paving, Walks, Curbs And Gutters		LS	--	--	(410)
ESTIMATED CONTRACT COST					<b>5,079</b>
CONTINGENCY PERCENT (10.0%)					<b>508</b>
SUBTOTAL					<b>5,587</b>
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					<b>335</b>
TOTAL REQUEST					<b>5,922</b>
TOTAL REQUEST (ROUNDED)					<b>5,900</b>
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					<b>(0)</b>
10. Description of Proposed Construction      Whole neighborhood revitalization of 30 company grade, 45 field grade and 8 senior officer Capehart family quarters constructed in 1957-58 comparable to current construction standards, including neighborhood amenities and supporting infrastructure. Scope of work includes adding first floor bathrooms, wall and ceiling insulation, air conditioning, entry vestibules, privacy fencing, carports with bulk storage and trash enclosures, and window blinds. Renovate kitchens and bathrooms, and replace heating, plumbing, electrical and information systems, hot water heaters, windows, vinyl flooring, wood trim and wall and ceiling surfaces. Refinish stairs and hardwood floors, and replace doors and roofs as required. Abatement of asbestos and lead base paint is required. Paint interior and exterior. Supporting facility work includes replacing sewer laterals, electrical distribution and streetlights. Repair or replace patios, sidewalks, driveways and roads. Renovate playgrounds, add jogging path, relandscape and correct surface drainage.					
<b>PROJECT:</b> Whole neighborhood revitalization of 83 company, field and senior grade officer family quarters. (Current Mission)					

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Carson, Colorado		
4. PROJECT TITLE  Family Housing Improvements	5. PROJECT NUMBER  38475	
<p><u>REQUIREMENT:</u> This project is required to improve conditions of officer family quarters, neighborhood amenities and supporting infrastructure to meet current standards of size, habitability, safety, energy conservation and to extend the quarters useful life expectancy.</p> <p><u>CURRENT SITUATION:</u> These dwelling units were constructed in 1957-58. The two story, 2, 3 and 4 bedroom units have one bathroom located on the second floor with no half bath provided on the first floor. Bathrooms present a rundown/unsanitary appearance. The many coats of paint, nearly 1/8" deep, are chipping and revealing the lead base paint used in original construction. Kitchens are worn due to fair wear and tear, and mechanical and electrical systems are deteriorated, thereby increasing maintenance requirements. Energy conservation goals are difficult to attain due to lack of insulation and efficient equipment.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in inadequate housing which will continue to deteriorate. This adversely affects the health, safety and quality of life of the occupants. Maintenance and energy costs will continue to accelerate, diverting limited operating funds and precluding attainment of energy reduction goals.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. The economic analysis shows revitalization to cost 63% of replacement construction. This analysis also shows revitalization to be more cost effective than replacement when compared over their useful life.</p>		

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Savanna Army Depot, Illinois				Family Housing Improvements			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
88742A		711		28473		Auth 640 Approp 640	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							500
Revitalize Family Dwelling Units				FA	5	68,520	(343)
Revitalize/Add Baths				FA	2	78,550	(157)
<u>SUPPORTING FACILITIES</u>							51
Electric Service				LS	--	--	(6)
Site Imp( 45) Demo( )				LS	--	--	(45)
ESTIMATED CONTRACT COST							551
CONTINGENCY PERCENT (10.0%)							55
SUBTOTAL							606
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							36
TOTAL REQUEST							642
TOTAL REQUEST (ROUNDED)							640
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization of seven dwelling units built 1917/18 and occupied by all grades to current construction standards including neighborhood amenities, supporting infrastructure and energy efficiency. Work includes replacing the heating system and installing air conditioning and adding wall and ceiling insulation; upgrading interior and exterior electrical service; lead base paint abatement; remodeling kitchens and baths; replacement of carpet and refinishing hardwood floors; adding additional baths (2 DUs); installing life safety sprinklers to one third story unit (1 DU); replace asbestos shingles and roofing, gutters and downspouts; aesthetic treatment of exposed plumbing, and repairing fireplaces. Playgrounds and landscaping will be provided.							
<u>PROJECT:</u> Whole neighborhood revitalization of 7 officer quarters utilized by officer and senior enlisted personnel. (Current Mission) <u>REQUIREMENT:</u> This project is required to improve existing conditions to conform to adequate standards of comfort, habitability and safety, and to extend the life of these quarters.							



1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Savanna Army Depot, Illinois		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 28473	
<p><b>CURRENT SITUATION:</b> The existing seven units lack central air conditioning. Receptacles are available for only one window air conditioning unit which is unacceptable. Third floor unit lacks life safety sprinklers. Carpet and floors are worn and need replacement. These buildings are heated by steam from a central oil fired, high pressure heating plant. Radiators need replacement. All family housing dwellings are 70 years old or older and require extensive interior upgrade to bring the units up to current standards. Two units lack an adequate number of bathrooms. No major renovation projects have been performed in these units other than required maintenance and repair. The commander's quarters has a NSF of 5523, the duplex units have 3079 NSF each, and the four-plex units have 2169 NSF each, none of which will be increased as a result of this project.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety and quality of life of the occupants will be diminished.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. The economic analysis shows revitalization to cost 66% of replacement of existing housing, and shows improvement of existing housing to be less costly than replacement housing when compared over their useful life.</p>		



1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Leavenworth, Kansas				Family Housing Improvements			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
88742A		711		36580		Auth 20 Approp 20	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							15
Central Air Conditioning				FA	1	15,005	(15)
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							15
CONTINGENCY PERCENT (5.00%)							1
SUBTOTAL							16
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1
TOTAL REQUEST							17
TOTAL REQUEST (ROUNDED)							20
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction							
Install central air conditioning in an historic General Officer Quarters located at 1 Scott Avenue. This project will be accomplished concurrently with a maintenance and repair (M&R) project to replace a failed heating system (34.0K); paint exterior (12.0K); repair and replace walls and ceilings (30.4K); and repaint interior (12.2K). The subtotal for the M&R is 88.6K. The total concurrent M&R and improvements is 108.6K.							
<u>PROJECT:</u> This project will provide central air conditioning to one General Officer Quarters to be accomplished concurrently with replacement of the heating system. This building was constructed in 1864 and is located within the Fort Leavenworth National Historic Landmark District. (Current Mission)							
<u>REQUIREMENT:</u> Central air conditioning is authorized in this geographic area. The most effective method to accomplish the installation of central air conditioning is in conjunction with the related M&R project to replace the heating system.							
<u>CURRENT SITUATION:</u> This GFOQ is presently being cooled inefficiently with occupant owned window air conditioners. These units damage the windows and adjacent wall areas due to their weight and release of condensation.							

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Leavenworth, Kansas		
4. PROJECT TITLE  Family Housing Improvements	5. PROJECT NUMBER  36580	
<p><u>IMPACT IF NOT PROVIDED:</u> This GFOQ will continue to be cooled with occupant owned energy inefficient window units, not conforming to the policy of providing central air conditioning in all family quarters where authorized by location. This residence is structurally sound, however, the mechanical systems are failing and need repair by replacement. This GFOQ is one of the landmarks of the installation and it is in the best interest of the Army to retain it.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan and no additional security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), 'Design Criteria, dated 9 December 1991.</p>		

1. COMPONENT		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY						APRIL 1993	
3. INSTALLATION AND LOCATION				4. PROJECT TITLE			
Fort Campbell, Kentucky				Family Housing Improvements			
5. PROGRAM ELEMENT		6. CATEGORY CODE		7. PROJECT NUMBER		8. PROJECT COST (\$000)	
88742A		711		17751		Auth 10,200 Approp 10,200	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							8,227
2 Bedroom, CGO				FA	58	42,600	(2,471)
3 Bedroom, FGO				FA	28	61,500	(1,722)
3 Bedroom, CGO				FA	61	58,800	(3,587)
4 Bedroom, FGO				FA	7	63,900	(447)
<u>SUPPORTING FACILITIES</u>							590
Electric Service				LS	--	--	(200)
Water, Sewer, Gas				LS	--	--	(96)
Paving, Walks, Curbs And Gutters				LS	--	--	(45)
Site Imp( 249) Demo( )				LS	--	--	(249)
ESTIMATED CONTRACT COST							8,817
CONTINGENCY PERCENT (10.0%)							882
SUBTOTAL							9,699
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							582
TOTAL REQUEST							10,281
TOTAL REQUEST (ROUNDED)							10,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 154 company and field grade officer quarters, single and duplex one story units, constructed in 1952-1958 in three separate housing areas (Campbell Army Airfield, Turner Loop, and Werner Park) including neighborhood amenities, infrastructure, and energy efficiency. Work includes increasing the net square footage to allow improvements to the floor plan, redesign of the kitchen and bathroom(s), added family room, laundry room, and additional bath for 61 three bedroom units. Replace windows and blinds, interior doors and hardware, floor covering and insulation to all units to improve energy efficiency. Upgrade the electrical system to include fixtures and relocate the main panel to the utility/laundry room. Repair the plumbing, replace the interior trim and paint the interior. Asbestos and lead paint abatement as required. Replace the patio slab and add covers and privacy fencing. In 35 field grade officer and five company grade officer units, replace the carport, exterior storage and driveways/parking areas. In the other houses, replace the carport roofs and paint. Neighborhood amenities include placing telephone, TV cable and electrical lines underground, additional street/security lighting, adding tot lots, playgrounds, multi-purpose courts, bus stop shelters and landscaping. Repair or replace utility lines (gas, water, sewer and storm sewer), provide							

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Fort Campbell, Kentucky		
4. PROJECT TITLE	5. PROJECT NUMBER	
Family Housing Improvements	17751	
<p><u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u></p> <p>curbs, gutters and sidewalks, repave streets and upgrade signage to include entrance signs. Five percent of these quarters will be accessible and easily modifiable to accommodate the requirements of the handicapped.</p>		
<p><u>PROJECT:</u> Whole neighborhood revitalization of 35 field grade officer and 119 company grade officer quarters to include neighborhood amenities and supporting facilities to current construction standards. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to improve existing conditions of these field and company grade officer family quarters, neighborhood amenities and support facilities to meet current standards of size, habitability, safety, energy conservation, and to extend the life expectancy of these units.</p> <p><u>CURRENT SITUATION:</u> These units have not been renovated since they were constructed. The seven four-bedroom field grade units in Turner Loop with 1,543 net square feet (NSF) have no bathrooms accessible without going through a bedroom. Sixty company grade three-bedroom units in Werner Park (1,047 NSF) and one three-bedroom unit at Campbell Army Airfield (1,171 NSF) have only one bathroom. Thirty-two two-bedroom company grade quarters in Werner Park have 864 NSF and 28 field grade officer units in Turner Loop have 1,295 NSF. There are 22 two-bedroom units with 1,011 NSF in Werner Park. Additionally the four three-bedroom duplexes at Campbell Army Airfield with 942 NSF will be converted to two-bedroom quarters. The washer and dryer are located in the kitchen in 149 units. Kitchen and bathroom fixtures are deteriorated, and plumbing and electrical systems need upgrading. None of the units have family rooms. The patio slabs and carport roofs are cracked and broken. Many of the units do not have fencing, and and broken. Sidewalks, drop-inlets, curbs and gutters are cracked or broken. Turner Loop gas lines need replacing and many of the utility lines need to be repaired or replaced throughout all three housing areas. Streets need repair and ponding is evident in the streets and around the dwelling units. Neighborhood recreational equipment is inadequate to meet the needs of the families.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in inadequate housing which will continue to deteriorate, adversely affecting the health, safety and quality of life of these company and field grade officer personnel and their families, with maintenance and utility costs continuing to accelerate.</p> <p><u>ADDITIONAL:</u> The economic analysis shows revitalization to cost 69% of replacement housing. This analysis shows improvement of existing housing to be more cost effective than replacement housing when compared over their useful life. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Aberdeen Proving Ground, Maryland</b>			4. PROJECT TITLE <b>Family Housing Improvements</b>		
5. PROGRAM ELEMENT <b>88742A</b>	6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>17649</b>	8. PROJECT COST (\$000) Auth      110 Approp      110		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					<b>98</b>
Revitalize GFOQ 1		FA	1	48,400	(48)
Revitalize GFOQ 10		FA	1	44,900	(45)
Building Information Systems		LS	--	--	(5)
<b>SUPPORTING FACILITIES</b>					
ESTIMATED CONTRACT COST					98
CONTINGENCY PERCENT (10.0%)					10
SUBTOTAL					108
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					6
TOTAL REQUEST					114
TOTAL REQUEST (ROUNDED)					110
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction      Whole neighborhood revitalization of two General Flag Officer's Quarters constructed in 1935. Quarters 1 is the designated quarters for the Commander, U.S. Army Test and Evaluation Command and Quarters 10 is designated for the Commander, U.S. Army Ordnance Center and School. Scope of work includes upgrading the heating system, installation of central air conditioning, upgrade of interior electrical wiring, and wall and attic insulation. This project includes all work required to bring these quarters up to current standards.					
PROJECT: Revitalize two General Flag Officer Quarters. (Current Mission)					
REQUIREMENT: This project is required to improve existing conditions of these General Officer's Quarters (GFOQ) to adequate standards of comfort, habitability and safety, to provide quarters comparable to new construction standards, and to extend the life expectancy of these quarters.					
CURRENT SITUATION: Units lack a central heating/cooling system and adequate attic and wall insulation. Insulation on the electrical wiring has become old and brittle posing a safety hazard.					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 17649	
<p><u>IMPACT IF NOT PROVIDED:</u> Delay in accomplishment of this project will result in costly maintenance and repairs, lack of central air conditioning, wasted energy, and impacting the health, safety, and quality of life of these Commanders.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Revitalization is 31% of replacement construction.</p>		



1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Aberdeen Proving Ground, Maryland</b>			4. PROJECT TITLE <b>Family Housing Improvements</b>		
5. PROGRAM ELEMENT <b>88742A</b>	6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>39370</b>	8. PROJECT COST (\$000) Auth      460 Approp    460		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITY</b>					
Revitalize Senior Officer Qtrs	FA	1	95,000	396	
Revitalize Field Grade Qtrs	FA	4	75,200	(95)	
<b>SUPPORTING FACILITIES</b>					
ESTIMATED CONTRACT COST 396					
CONTINGENCY PERCENT (10.0%) 40					
SUBTOTAL 436					
SUPERVISION, INSPECTION & OVERHEAD (6.00%) 26					
TOTAL REQUEST 462					
TOTAL REQUEST (ROUNDED) 460					
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS (0)					
10. Description of Proposed Construction      Revitalize one senior officer, and four field grade officer family housing quarters constructed from 1913-1927. Work includes upgrading heating systems, installing central air conditioning, replacing interior electrical wiring, repairing plaster walls and ceilings, adding insulation, lead paint removal, increasing bedroom closet space, and replacing or refurbishing interior doors. Replace garages in 1 field grade officer quarters.					
<b>PROJECT:</b> Revitalize one senior officer, and four field grade officer family housing quarters. (Current Mission)					
<b>REQUIREMENT:</b> This project is required to install central air conditioning, improve existing living conditions, reduce energy consumption, accomplish deferred maintenance, reduce routine recurring maintenance and extend the life expectancy of the quarters.					
<b>CURRENT SITUATION:</b> These quarters are partially cooled during the summer months with occupant owned window air conditioning units. The attics are not insulated, resulting in a high use of energy for heating. The garages are deteriorated to the point of becoming a safety hazard. Existing conditions include spalling plaster with lead paint and interior doors which are aged,					



1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993
3. INSTALLATION AND LOCATION		
Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE	5. PROJECT NUMBER	
Family Housing Improvements	39370	
CURRENT SITUATION: (CONTINUED)		
split and heavily coated with paint. Asbestos was previously removed. The interior wiring is dry, brittle and presents a potential safety hazard as well as attributing to costly repairs and maintenance. Bedroom closet space is inadequate.		
IMPACT IF NOT PROVIDED: If this project is not provided, the quarters will continue to deteriorate with annual maintenance costs increasing and the health, safety and quality of life of the occupants will be affected. Operating costs will continue to increase, adversely affecting the Army's goal of a 20% reduction in energy consumption.		
ADDITIONAL: This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria", as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Sr. officer quarters, 6 BR, is 3,044 NSF and the four field grade quarters, 4 BR, have 1780 NSF. The net square footage of these units will not change, and all work required to bring these units up to current standards is included. While not historical, they are highly desirable, well built units that contribute positively to the installation. The economic analysis shows revitalization to cost 69% of replacement of existing housing, and shows improvement of existing housing to be less costly than replacement housing when compared over their useful life.		

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>White Sands Missile Range, New Mexico</b>			4. PROJECT TITLE <b>Family Housing Improvements</b>		
5. PROGRAM ELEMENT <b>88742A</b>	6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>3943</b>	8. PROJECT COST (\$000) Auth <b>3,300</b> Approp <b>3,300</b>		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					<b>2,568</b>
Revitalize 3 BR Quarters		FA	50	51,352	(2,568)
<b>SUPPORTING FACILITIES</b>					<b>253</b>
Electric Service		LS	--	--	(100)
Water, Sewer, Gas		LS	--	--	(57)
Paving, Walks, Curbs And Gutters		LS	--	--	(86)
Site Imp( 10) Demo( )		LS	--	--	(10)
ESTIMATED CONTRACT COST					<b>2,821</b>
CONTINGENCY PERCENT (10.0%)					<b>282</b>
SUBTOTAL					<b>3,103</b>
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					<b>186</b>
TOTAL REQUEST					<b>3,289</b>
TOTAL REQUEST (ROUNDED)					<b>3,300</b>
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					<b>(0)</b>
10. Description of Proposed Construction Whole neighborhood revitalization of 50 junior enlisted single story, three bedroom family quarters constructed in 1950 to current construction standards including neighborhood amenities, supporting infrastructure and energy efficiency. Work includes increasing the net square footage to current standards, constructing a second full bath. interior modification to improve floor plan, redesign and upgrade of kitchens, provide pantry and family room. Replace flat roofs with sloped roofs and paint interior. Support facilities include patios, replacing detached garages, paving driveways and installing privacy fencing, landscaping, streetlights, storm drainage and sidewalks. Repair or replace exterior utility lines (water and sewer), provide 18 additional off-street parking spaces and resurface streets. Asbestos has been removed but minor lead paint abatement or removal is involved. Five percent of these quarters will be accessible and easily modifiable to accommodate the requirements of the handicapped.					
PROJECT: Whole neighborhood revitalization of 50 junior enlisted quarters to include neighborhood amenities and supporting facilities to current construction standards. (Current Mission)					

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  White Sands Missile Range, New Mexico		
4. PROJECT TITLE  Family Housing Improvements	5. PROJECT NUMBER  3943	
<p><u>REQUIREMENT:</u> This project is required to improve existing conditions of junior noncommissioned officer family quarters, neighborhood amenities and support facilities to meet current standards of size, habitability, safety, energy conservation, and to extend the life of these units.</p> <p><u>CURRENT SITUATION:</u> The units are structurally sound, but the interiors are worn out, need remodeling and lack a second full bath. Garages are too small for use by current type/size vehicles and must be replaced. Eighteen units lack off-street parking. Existing bathroom fixtures have deteriorated. Additional sidewalks and privacy fences are required. Utility systems and streets are in need of repair. Storm water runoff ponds in streets and around houses due to inadequate drainage. Neighborhood recreational facilities consist of inadequate tot lots. Existing net square footage is 1148 SF and will be increased to 1200 NSF.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in minimum standard housing which will continue to deteriorate. This adversely affects the health, safety and quality of life of these enlisted personnel and their families. Maintenance and energy cost will continue to accelerate, precluding attainment of energy reduction.</p> <p><u>ADDITIONAL:</u> No physical security and/or CBT/T measures are required. This project complies with the scope and design criteria of the Army's Architectural and Engineering Instruction (AEI), Design Criteria, dated 9 December 1991. The net square footage (NSF) will be increased from 1148 NSF to the allowable 1200 NSF. The economic analysis shows revitalization to cost 57% of replacement of existing housing, and shows improvement of existing housing to be less costly than replacement housing when compared over their useful life.</p>		

1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>United States Military Academy, New York</b>			4. PROJECT TITLE <b>Family Housing Improvements</b>		
5. PROGRAM ELEMENT <b>88742A</b>	6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>31106</b>	8. PROJECT COST (\$000) Auth <b>4,200</b> Approp <b>4,200</b>		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>					
Revitalize Field Grade Units		FA	58	53,904	3,126 (3,126)
<b>SUPPORTING FACILITIES</b>					
Paving, Walks, Curbs & Gutters		LS	--	--	480 (480)
ESTIMATED CONTRACT COST					3,606
CONTINGENCY PERCENT (10.0%)					361
SUBTOTAL					3,967
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					238
TOTAL REQUEST					4,205
TOTAL REQUEST (ROUNDED)					4,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction      Revitalize 58 historic five bedroom field grade officer quarters constructed in 1935 in the Lee Housing Area. This is the second of a three phase program for renewal of 128 family housing quarters. The interior and exterior spaces require repairs and improvement in varying amounts. Scope of work includes renovating kitchens, providing additional counter space, cabinets, garbage disposal, exhaust range hood, dishwashers, and ground fault receptacles; bathroom renovation includes ceramic tile walls/floors, plumbing, lighting fixtures, bathroom accessories, ground fault receptacles and exhaust fans. Reconfigure layout of second floor master bath and basement bathroom. Enclose utility area, replace electric outlets for dryer and washer, install dryer vents, replace water and drain connections for washer, replace laundry sink and provide storage cabinets. Replace seven wood double hung windows and seven basement windows in each unit. Replace all entry doors to include over head garage door. Remove and replace all unsound and defective plaster walls and ceilings. Electrical upgrade to current standards including interior and exterior light fixtures and exterior ground fault receptacles. Provide air conditioning and remove any concealed asbestos insulation encountered. Repair slate roofing. Site work includes widening of existing driveways, walkways, front and rear porch repairs. Complete interior					

1. COMPONENT  ARMY	FY 1994    MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  United States Military Academy, New York		
4. PROJECT TITLE  Family Housing Improvements		5. PROJECT NUMBER  31106
<p>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED) and exterior painting.</p> <p><u>PROJECT:</u> Revitalize 58 historic field grade officer family housing quarters as the second of three phases of work. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to improve existing conditions of the quarters to conform to adequate standards of comfort, habitability, safety, and to extend the life expectancy of the quarters.</p> <p><u>CURRENT SITUATION:</u> The existing kitchens have insufficient work areas for use of current day household appliances. Existing bathrooms have adequate plumbing but fixtures are worn out, insufficient electrical outlets and baths without showers. The utility areas require improvement of lighting, dryer vents and utility connections. These units, Old Doubles, consist of 29 two story brick duplex buildings with slate roofs, five bedrooms, three baths, full basement, 1327 net square feet with attached garage. Previous major M&amp;R work: partial window replacement 1978, kitchen repairs 1978, insulation 1982, furnace replacement 1987, fireplace repairs 1989. These units contain fixtures and finishes that were installed when built over 50 years ago and have outlived their economic life. Building functional design or capacity will not be altered by this project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety and quality of life of the occupants will be diminished.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Life cycle economic analysis supports revitalization as compared to replacement construction and shows revitalization to cost 53% of replacement construction.</p>		



1. COMPONENT <b>ARMY</b>		FY 1994 <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Lee, Virginia</b>			4. PROJECT TITLE <b>Family Housing Improvements</b>		
5. PROGRAM ELEMENT <b>88742A</b>		6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>17028</b>	8. PROJECT COST (\$000) Auth      15,000 Approp    15,000	
9. COST ESTIMATES					
ITEM			U/M	QUANTITY	UNIT COST
<b>PRIMARY FACILITY</b>					<b>7,875</b>
Revitalize Jr Enl Quarters			FA	180	(7,875)
<b>SUPPORTING FACILITIES</b>					<b>4,904</b>
Electric Service			LS	--	(589)
Water, Sewer, Gas			LS	--	(349)
Paving, Walks, Curbs And Gutters			LS	--	(644)
Storm Drainage			LS	--	(190)
Site Imp( 538) Demo( )			LS	--	(538)
Other			LS	--	(2,594)
ESTIMATED CONTRACT COST					12,779
CONTINGENCY PERCENT (10.0%)					1,278
SUBTOTAL					14,057
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					843
TOTAL REQUEST					14,900
TOTAL REQUEST (ROUNDED)					15,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction      Whole neighborhood revitalization of 180 junior enlisted 2, 3 and 4 bedroom family quarters and community support facilities for 90 additional (270 total) units constructed during 1950 - 1953. Scope of work includes renovation of kitchen and bathrooms, replacement of heating and air conditioning systems, smoke detectors, gas hot water heater, pipe insulation, windows and doors. Provide building envelope insulation, telephone and cable TV outlets, and carports with bulk storage and trash enclosures. Refinish or replace interior floors, walls, ceilings, trim, stair treads and railings. Renovate exterior facade to reflect townhouse configuration including new pitched roof. Lead base paint and asbestos abatement is required. Five percent of the units will be revitalized such that they will be accessible and easily modifiable to accommodate the requirements of the handicapped. Supporting facility work for 270 units includes additional parking, storm drainage, landscaping, upgrade of electrical distribution and streetlight systems, repair or replacement of water distribution, sanitary sewer and information systems, traffic control devices and signage, community center, recreation facilities, tot lots and upgrade of community entrance gateways.					

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Lee, Virginia		
4. PROJECT TITLE  Family Housing Improvements	5. PROJECT NUMBER  17028	
<p><b>PROJECT:</b> Whole neighborhood revitalization of 270 junior enlisted family quarters in the Jackson Circle housing area. (Current Mission)</p> <p><b>REQUIREMENT:</b> This project is required to improve existing conditions of the quarters to conform to adequate standards of comfort, habitability and safety, to provide quarters comparable to new construction standards, and to extend the life expectancy of the quarters.</p> <p><b>CURRENT SITUATION:</b> Of these quarters, 180 have had no major improvements since their original construction. Maintenance and utility costs have increased rapidly due to age and deterioration. This project will eliminate over 1.76 million dollars of deferred maintenance and repair (DMAR). Covered parking, exterior storage, patios/decks, privacy fencing, trash enclosures and adequate off street parking are non existent. Interiors and exteriors have deteriorated due to normal wear and tear and numerous changes in occupants. Kitchens have inadequate storage and electrical outlets and some do not have garbage disposals, dishwashers or range hoods. Kitchen cabinets and sinks are deteriorated, reflecting many years of fair wear and tear. This project will add bathrooms to some units, replace worn and failing fixtures and replace cracked and mismatched tiles and finishes. HVAC systems are inefficient and have exceeded their useful life expectancy. Electrical systems do not meet current codes. There are limited playgrounds, tot-lots, family recreational areas, and sidewalks. This project will bring these quarters up to current standards, incorporate ideas from occupants and extend unit life expectancy by 25 - 30 years.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety, and quality of life of the occupants will be diminished.</p> <p><b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. A life cycle cost analysis comparing revitalization to replacement construction and off-post leasing has been completed, and concludes that revitalization is the most cost effective alternative.</p>		



1. COMPONENT		2. DATE	
ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
Fort Monroe, Virginia		Family Housing Improvements	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
88742A	711	25517	Auth 11,800 Approp 11,800
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST
PRIMARY FACILITY			8,730
Type 9 - GOQ	FA	3	162,289 (487)
Type 6 - Duplex COL	FA	6	128,616 (772)
Type 10 - Duplex COL	FA	12	149,631 (1,796)
Type 21 - Duplex COL	FA	2	107,727 (215)
Type 4 - Quad SrNCO	FA	12	112,250 (1,347)
Total from Continuation page			(4,113)
SUPPORTING FACILITIES			1,310
Site Imp( 1,310) Demo( )	LS	--	-- (1,310)
ESTIMATED CONTRACT COST			10,040
CONTINGENCY PERCENT (10.0%)			1,004
SUBTOTAL			11,044
SUPERVISION, INSPECTION & OVERHEAD (6.00%)			663
TOTAL REQUEST			11,707
TOTAL REQUEST (ROUNDED)			11,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS			(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 73 historical family quarters consisting of 3 general officer, 20 colonel, 32 company/field grade officer, and 18 senior and junior noncommissioned officer family housing dwellings. Work includes, but is not limited to, installing central air conditioning, upgrading heating system, attic ventilation, ceiling fans and repairs to interior and exterior finishes, underground utility lines, plumbing systems (interior/exterior), exposed conduit, kitchen and baths renovation, unit insulation, laundry facilities, sealing fireplaces, extending firewalls, and window restoration/repair. Repairs are required to foundations, exterior hatch doors, porches and structure, pavement areas, and privacy fencing. Site drainage and grading will be provided where required. Utility systems will be master metered, upgrade natural gas service, garages/carport and exterior lighting improved, and storm drainage, parking, jogging trail and tot lots upgraded. The functional layout of some units will be altered to provide additional baths or improved floor plan. Neighborhood improvements will enhance aesthetics and overall appearance of these historic quarters. Lead paint abatement and removal of asbestos siding is required.			

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY			APRIL 1993	
3. INSTALLATION AND LOCATION				
Fort Monroe, Virginia				
4. PROJECT TITLE			5. PROJECT NUMBER	
Family Housing Improvements			25517	
9. COST ESTIMATES (CONTINUED)				
Item	U/M	QTY	Unit COST	Cost (\$000)
<u>PRIMARY FACILITY (CONTINUED)</u>				
Type 4 - Quad Co Grade	FA	24	112,250	(2,694)
Type 15 - Quad Field Grade	FA	8	113,945	(912)
Type 7 - Single Family JrNCO	FA	4	78,815	(315)
Type 27 - Single Family SrNCO	FA	1	96,460	(96)
Type 31 - Single Family SrNCO	FA	1	96,460	(96)
		Total		4,113
<p><b>PROJECT:</b> Whole neighborhood revitalization of 73 historic General Officer, colonel, field and company grade officer, and senior and junior noncommissioned officer family housing quarters. (Current Mission)</p> <p><b>REQUIREMENT:</b> This project is required to improve existing conditions of these historic quarters to conform to adequate standards of comfort, habitability, safety, and to extend the life expectancy of the quarters. Work identified incorporates the criteria and recommendations of the Mariani and Associates study of historical quarters and a separate Architect/Engineer study.</p> <p><b>CURRENT SITUATION:</b> These quarters are part of the Fort Monroe National Historic Landmark District, and date to the turn of the century. Central air conditioning does not exist in these quarters, and the existing oil fired heating systems are failing. Kitchens, laundry and bathrooms do not meet current living standards. Counter tops and cabinet fronts are worn and dilapidated. Counter, shelving and cabinet space is severely lacking and cannot accommodate modern appliances nor allow for sufficient work space. Built-in appliances have reached their life expectancy. Interior spaces are awkwardly laid out in some quarters, making them difficult to work and live in. Electrical fixtures, outlets and wiring do not meet current standards. Existing dryer vents run through lower window sashes making for a shabby appearance and eliminating the ability to open the window. Kitchen and bathroom fixtures are aged and worn due to normal wear and tear. Plumbing in some quarters leak, causing water damage to ceiling floors. Closet space is inadequate. Basement doors have deteriorated significantly due to exposure to weather over the years and are warped, allowing water to enter the basement. Exterior and interior door hardware is worn, maintenance intensive and requires replacement. Door and window frames require restoration due to their age and normal wear and tear. Windows are not properly insulated and many are inoperable with broken hardware. Interior finishes to include walls, floors and ceilings require repairs and refinishing. Door and window frames, walls and ceilings are covered with paint build-up and are unsightly due to cracking and peeling of old paint. Original exposed paint layers are lead based, posing</p>				

1. COMPONENT <b>ARMY</b>		2. DATE <b>APRIL 1993</b>	
3. INSTALLATION AND LOCATION <b>Fort Monroe, Virginia</b>			
4. PROJECT TITLE <b>Family Housing Improvements</b>		5. PROJECT NUMBER <b>25517</b>	
<p><u>CURRENT SITUATION: (CONTINUED)</u></p> <p>a health threat. Some units do not have adequate exterior storage facilities and most do not have patios. The present metal roofing system is corroded and pitted. Flashing at critical joints does not exist on some units. Replacement with asphalt shingles where historically feasible is required. Site drainage is a problem during and after heavy rainfall. Ponding occurs in and around sidewalks, dwelling units and basements, and in some cases requires grading in order to alleviate the problem. Some wood floors cannot be further sanded and require carpeting. Fireplaces cause energy inefficiency and can cause a safety hazard from clogged flues and should be closed off. Cable TV wires are strung along walls rather than having been furred in. Firewalls in multiunits need to be extended to conform to fire codes. Attic insulation is not of standard R-value causing energy inefficiency. Foundations of wood frame houses are in poor condition and require jacks to prevent failure of the structure. Mortar in mortar joints is deteriorated. Brickwork needs repointing. Deteriorating asbestos siding is present and exterior needs restoring. Steel siding is deteriorating and needs to be removed and exterior restored. Porch structures are in poor or failing condition and need repair or replacement. General exterior appearance needs upgrading within limits imposed by historic considerations. Exterior conduits are unsightly. Broken pavement at driveways or patios needs repair or replacement. Low maintenance landscaping and privacy wooden fencing is lacking at most quarters. Neighborhood amenities such as curb and gutters, sidewalks, fencing, underground cable TV connections, security/night lighting, general landscaping, garages or carports, basketball pads, and tot lots are lacking or need expansion or upgrading. Storm drainage, natural gas, parking areas and roads, and utility metering at quarters need to be installed or improved. Safety fencing, school bus shelter, and playground is lacking from the type 7 (Big Bethel) neighborhood. Gutter and downspouts require repair or replacement. Water lines from mains to the houses need to be replaced.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, these historic quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety and quality of life of the occupants will be diminished.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Coordination with the State Historic Preservation Officer has been initiated and is ongoing. A life cycle cost analysis comparing revitalization to demolition and replacement is not a valid cost comparison as it does not consider replacement with an architecturally comparable structure or its historical significance within this historic landmark. All work performed in these units will consider</p>			

1. COMPONENT  ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APRIL 1993
3. INSTALLATION AND LOCATION  Fort Monroe, Virginia		
4. PROJECT TITLE  Family Housing Improvements	5. PROJECT NUMBER  25517	
<p>ADDITIONAL: (CONTINUED)</p> <p>the impact on a life cycle basis to assure the quarters are properly and most economically maintained into the future.</p>		

April 1993

ARMY FAMILY HOUSING  
FISCAL YEAR 1994 RENTAL GUARANTEE PROGRAM

Purpose and Scope

The CONUS Rental Guarantee program, formerly known as the Section 802 program, is authorized in Section 2836 of PL 102-190, 5 December 1991. It permits the Army to guarantee 97 percent occupancy of housing units constructed at CONUS locations.

Program Summary

A contractor has constructed a 276-unit project at Kaneohe MCB, Hawaii, which was fully occupied by November 1992. Five hundred additional units are authorized, and continued authorization in FY 94 is requested. However, the Army is not pursuing further construction under this program pending results of the Navy's project to construct 368 units at West Loch, Hawaii, under the current legislative guidelines.

ARMY FAMILY HOUSING  
Fiscal Year 1994 Section 2836 (802) Family Housing Summary

<u>Location</u>	<u>No. Units Authorized</u>	<u>FY of Initial Authorization</u>	<u>Date of Award</u>	<u>Date of Full Occupancy</u>	<u>FY 93 Units</u>	<u>FY 94 Units</u>
Oahu Consolidated Family Housing Office, HI	276 500	1987 1991	Jun 91 NA	Nov 92 NA	276	276
TOTAL 802	776	NA	NA	NA	276	276



April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
ADVANCE PLANNING AND DESIGN

<u>(\$ In Thousands)</u>	
FY 1994 Program	11,805
FY 1993 Current Est	8,940

Purpose and Scope

This program provides for working drawings, specifications, cost estimates, project planning reports, final design drawings of family housing construction projects, and review of construction proposals. Included are architectural and engineering services in connection with any new family housing or post acquisition construction, along with costs incurred in developing requests for proposals. Additionally, these funds will be used to plan and design future year projects for new construction, improvements, and energy conservation.

Program Summary

Appropriation and authorization are required for \$11,805,000 in FY 94 to fund this construction planning and design.

The FY 94 funds provide for final design of FY 94 and FY 95 projects, and for concept designs of FY 96 and FY 97 programs to ensure that construction contracts can be awarded in the respective fiscal years.

The FY 94 planning and design program supports emphasis on the whole neighborhood revitalization program. Revitalization projects require a greater degree of customized planning and design than do new construction projects, such as integrating modernization and upgrade requirements, including supporting utilities and infrastructure, into existing structures of differing conditions.



April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
OPERATIONS AND MAINTENANCE

(\$ In Thousands)	
FY 1994 Program	857,033
FY 1993 Current Est	1,005,279

Purpose and Scope

a. Operations Account. This portion of the program provides for operating expenses in the following subaccounts and includes both direct and indirect support, as applicable:

Management - Provides resources for family housing management and installation administrative support and for services provided by the Community Homefinding, Relocation, and Referral Services. Includes housing requirements surveys, condition assessment of existing housing, and development of family housing construction and repair projects. Also includes the installation and operation of the Housing Operations Management Systems (HOMES) to improve housing management.

Services - Provides basic installation service support functions such as refuse collection and disposal, pest control, snow removal and street cleaning. Includes the cost of family housing's proportionate share of police and fire protection.

Furnishings - Provides for procurement, management, control, moving and handling of furnishings; plus maintenance, repair, and replacement of the existing furnishings inventory.

Miscellaneous - Provides payments to operate non-Department of Defense housing units occupied by Army personnel overseas.

b. Utilities Account - Includes the costs of heat, air conditioning, electricity, water, and sewage for family housing units. Also includes the costs to operate boiler plants and sewage systems used solely by family housing.

c. Maintenance Account - Provides the following activities required to maintain family housing real property assets:

o Dwellings - Includes service calls and routine maintenance, annual repairs, interior and exterior painting, between occupancy maintenance, repairing/restoring damages caused by fires or storms, and major repair work including projects deferred in prior years.

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o Exterior Utilities - Includes costs for maintenance and repair of sewer and water lines, primary and secondary electric lines, and other exterior utilities exclusively for use by family housing.

o Other Real Property - Includes work on grounds, surfaced areas, and other real property serving family housing.

o Incidental Improvements - Includes low-cost minor (incidental) improvements for less than \$3,000 per dwelling unit normally performed concurrently with maintenance and repair projects. Also includes modifications to quarters to meet the needs of exceptional family members.

d. Reimbursement Authority - Provides authority to incur additional costs for services and repair of damages to be reimbursed with collection of payments from Federal and non-Federal sources.

April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
OPERATION AND MAINTENANCE  
PROGRAM SUMMARY HIGHLIGHTS

(\$ In Thousands)	
FY 1994 Program	857,033
FY 1993 Current Est	1,005,279

Authorization and appropriation are requested for \$857,033,000 for FY 1994. This amount, together with estimated reimbursements of \$18,000,000, will fund the Operations and Maintenance program of \$875,033,000. A summary follows (\$ in thousands):

Operations Request	Utilities Request	Maintenance Request	Total Direct	Reimburse- ment	Total Program
\$187,157	\$281,348	\$388,528	\$857,033	\$18,000	\$875,033

The FY 94 operations, utilities, and maintenance programs include the following major initiatives:

- o The continued installation, operation, maintenance, and improvement of the Housing Operations Management System (HOMES), an Army-wide computer system designed to assist in all phases of housing management. Ongoing initiatives include making HOMES more user friendly, establishing methods for system improvements and changes, and improving management output reports.

- o The continued effort to identify adequate housing in communities which is affordable for the soldier. Where shortages exist, housing surveys are reviewed and project proposals are developed to request new construction or leasing of additional housing for military families.

- o Support of the Army Energy Conservation goal of 1.3 percent. Utility consumption per unit is being reduced as a result of energy conserving repair and revitalization projects.

- o Continuation of the Quarters Cleaning Initiative (QCI) which helps limit expensive overseas temporary housing allowances (TLA) to three days in lieu of the 10-day maximum. As a result, QCI program costs are more than offset by known large savings in TLA accounts. The program also shortens the period between occupancy, which creates savings in other housing allowance accounts.

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o Continuation of the program to revitalize the family housing inventory. Emphasis is placed on accomplishment of all work required to upgrade units to current construction standards and concurrently perform required maintenance and repairs. Result is extended life of the quarters, reduced future maintenance and utility costs, and increased occupancy in the out-years.

ARMY FAMILY HOUSING  
OPERATION AND MAINTENANCE, SUMMARY (WORLDWIDE)  
FISCAL YEAR 1994 BUDGET ESTIMATES

April 1993

(Excludes Leased Units and Costs)

	:	FY 92	:	FY 93	:	FY 94	:
	:	ACTUALS	:	CURRENT	:	BUDGET	:
	:		:	ESTIMATES	:	ESTIMATES	:
	:		:		:		:
A. INVENTORY DATA (WORLDWIDE)	:		:		:		:
Units in Being BOY	:	162,335	:	159,113	:	147,746	:
Units in Being EOY	:	159,113	:	147,746	:	142,981	:
	:		:		:		:
a. Conterminous U.S.	:	92,041	:	88,057	:	87,165	:
b. U.S. Overseas	:	23,769	:	23,907	:	24,065	:
c. Foreign	:	43,303	:	35,782	:	31,751	:
d. Worldwide	:	159,113	:	147,746	:	142,981	:
	:		:		:		:
	:		:		:		:
	:	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT
	:	ACT	COST	EST	COST	EST	COST
B. FUNDING REQUIREMENT	:	(\$000)	(\$)	(\$000)	(\$)	(\$000)	(\$)
	:						
1. OPERATIONS	:						
a. Management	:	90,077	560	93,678	611	81,163	558
b. Services	:	66,799	416	64,840	423	62,447	430
c. Furnishings	:	74,454	463	47,036	307	41,707	287
d. Miscellaneous	:	1,897	12	1,973	13	1,840	13
SUBTOTAL OPERATIONS	:	233,227	1,451	207,527	1,353	187,157	1,288
	:						
2. UTILITIES	:	315,187	1,961	313,736	2,045	281,348	1,935
	:						
3. MAINTENANCE	:						
a. Maintenance & Repair of Dwellings	:	376,240	2,341	405,896	2,645	325,820	2,241
b. Exterior Utilities	:	20,997	131	22,652	148	18,183	125
c. Maint & Repair of Other Real Property	:	38,719	241	41,770	272	33,530	231
d. Alterations/Additions	:	12,697	79	13,698	89	10,995	76
SUBTOTAL MAINTENANCE	:	448,653	2,791	484,016	3,155	388,528	2,673
	:						
4. FOREIGN CURRENCY SAVINGS	:	(3,821)					
	:						
5. APPROPRIATION	:	993,246	6,180	1,003,279	6,552	857,033	5,896
	:						
6. REIMBURSABLE PROGRAM	:	13,434	84	16,000	104	18,000	124
	:						
7. TOTAL O&M PROGRAM	:	1,006,680	6,263	1,021,279	6,656	875,033	6,020

Exhibit FH-2

ARMY FAMILY HOUSING  
OPERATION AND MAINTENANCE, SUMMARY (CONUS)  
FISCAL YEAR 1994 BUDGET ESTIMATES

April 1993

(Excludes Leased Units and Costs)

	:	FY 92	:	FY 93	:	FY 94	:
	:	ACTUALS	:	CURRENT	:	BUDGET	:
	:		:	ESTIMATES	:	ESTIMATES	:
	:		:		:		:
A. INVENTORY DATA (CONUS)	:		:		:		:
Units in Being BOY	:	92,292	:	92,041	:	88,057	:
Units in Being EOY	:	92,041	:	88,057	:	87,165	:
	:		:		:		:
	:		:		:		:
	:	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT
	:	ACT	COST	EST	COST	EST	COST
B. FUNDING REQUIREMENT	:	(\$000)	(\$)	(\$000)	(\$)	(\$000)	(\$)
	:						
1. OPERATIONS	:						
a. Management	:	40,248	437	43,308	481	41,808	477
b. Services	:	26,599	289	28,849	320	26,789	306
c. Furnishings	:	13,327	145	11,113	123	9,636	110
d. Miscellaneous	:	275	3	324	4	358	4
SUBTOTAL OPERATIONS	:	80,449	873	83,594	928	78,591	897
	:						
2. UTILITIES	:	119,724	1,299	131,091	1,456	123,634	1,411
	:						
3. MAINTENANCE	:						
a. Maintenance & Repair	:						
of Dwellings	:	215,652	2,340	244,145	2,711	198,047	2,261
b. Exterior Utilities	:	12,035	131	11,626	151	11,052	126
c. Maint & Repair of	:						
Other Real Property	:	22,193	241	25,123	279	20,382	233
d. Alterations/Additions	:	7,277	79	8,239	91	6,684	76
SUBTOTAL MAINTENANCE	:	257,157	2,790	291,133	3,233	236,165	2,696
	:						
4. FOREIGN CURRENCY SAVINGS	:	(3,821)					
	:						
5. APPROPRIATION	:	453,509	4,921	505,818	5,617	438,390	5,004
	:						
6. REIMBURSABLE PROGRAM	:	8,383	91	8,176	91	9,176	105
	:						
7. TOTAL O&M PROGRAM	:	461,892	5,011	513,994	5,708	447,566	5,109

Exhibit FB-2

ARMY FAMILY HOUSING  
OPERATION AND MAINTENANCE, SUMMARY (US OVERSEAS)  
FISCAL YEAR 1994 BUDGET ESTIMATES

April 1993

(Excludes Leased Units and Costs)

	:	FY 92	:	FY 93	:	FY 94	:
	:	ACTUALS	:	CURRENT	:	BUDGET	:
	:		:	ESTIMATES	:	ESTIMATES	:
	:		:		:		:
A. INVENTORY DATA (US OVERSEAS)	:		:		:		:
Units in Being BOY	:	23,459	:	23,769	:	23,907	:
Units in Being EOY	:	23,769	:	23,907	:	24,065	:
	:		:		:		:
	:		:		:		:
	:	TOTAL	UNIT	:	TOTAL	UNIT	:
	:	ACT	COST	:	EST	COST	:
8. FUNDING REQUIREMENT	:	(\$000)	(\$)	:	(\$000)	(\$)	:
	:			:			:
	:			:			:
1. OPERATIONS	:			:			:
a. Management	:	11,902	504	:	11,997	503	:
b. Services	:	19,054	807	:	18,513	777	:
c. Furnishings	:	11,180	473	:	8,035	337	:
d. Miscellaneous	:	0	0	:	0	0	:
SUBTOTAL OPERATIONS	:	42,136	1,784	:	38,545	1,617	:
	:			:			:
2. UTILITIES	:	54,132	2,292	:	54,870	2,302	:
	:			:			:
3. MAINTENANCE	:			:			:
a. Maintenance & Repair	:			:			:
of Dwellings	:	69,655	2,950	:	75,110	3,151	:
b. Exterior Utilities	:	3,887	165	:	4,191	176	:
c. Maint & Repair of	:			:			:
Other Real Property	:	7,168	304	:	7,730	324	:
d. Alterations/Additions	:	2,352	100	:	2,535	106	:
SUBTOTAL MAINTENANCE	:	83,062	3,517	:	89,566	3,757	:
	:			:			:
4. APPROPRIATION	:	179,330	7,594	:	182,981	7,676	:
	:			:			:
5. REIMBURSABLE PROGRAM	:	1,388	59	:	953	40	:
	:			:			:
6. TOTAL O&M PROGRAM	:	180,718	7,653	:	183,934	7,716	:
	:			:			:

Exhibit FH-2



ARMY FAMILY HOUSING  
OPERATION AND MAINTENANCE, SUMMARY (FOREIGN)  
FISCAL YEAR 1994 BUDGET ESTIMATES

April 1993

(Excludes Leased Units and Costs)

	:	FY 92	:	FY 93	:	FY 94	:
	:	ACTUALS	:	CURRENT	:	BUDGET	:
	:		:	ESTIMATES	:	ESTIMATES	:
	:		:		:		:
A. INVENTORY DATA (FOREIGN)	:		:		:		:
Units in Being BOY	:	46,584	:	43,303	:	35,782	:
Units in Being EOY	:	43,303	:	35,782	:	31,751	:
	:		:		:		:
	:	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT
	:	ACT	COST	EST	COST	EST	COST
8. FUNDING REQUIREMENT	:	(\$000)	(\$)	(\$000)	(\$)	(\$000)	(\$)
	:						
1. OPERATIONS	:						
a. Management	:	37,927	844	38,373	970	28,023	830
b. Services	:	21,146	471	17,478	442	13,490	400
c. Furnishings	:	49,947	1,111	27,888	705	23,278	689
d. Miscellaneous	:	1,622	36	1,649	42	1,482	44
SUBTOTAL OPERATIONS	:	110,642	2,462	85,388	2,159	66,273	1,963
	:						
2. UTILITIES	:	141,331	3,145	127,775	3,231	99,898	2,958
	:						
3. MAINTENANCE	:						
a. Maintenance & Repair	:						
of Dwellings	:	90,933	2,023	86,641	2,191	58,275	1,726
b. Exterior Utilities	:	5,075	113	4,835	122	3,252	96
c. Maint & Repair of	:						
Other Real Property	:	9,358	208	8,917	226	5,996	178
d. Alterations/Additions	:	3,068	68	2,924	74	1,966	58
SUBTOTAL MAINTENANCE	:	108,434	2,413	103,317	2,613	69,489	2,058
	:						
4. APPROPRIATION	:	360,407	8,019	316,480	8,004	235,660	6,979
	:						
5. REIMBURSABLE PROGRAM	:	3,663	82	6,871	174	6,871	203
	:						
6. TOTAL O&M PROGRAM	:	364,070	8,101	323,351	8,177	242,531	7,183

Exhibit FH-2

REAL PROPERTY MAINTENANCE ACTIVITIES  
 FY 1994 BUDGET ESTIMATES  
 OPERATION & MAINTENANCE COSTS  
 Real Property Maintenance and Minor Construction Projects\*  
 (HISTORIC HOUSING COSTS)

HISTORIC HOUSING COST	<u>DU's</u>	<u>(\$000) FY (94)</u>
A. Non GFOQ Dwelling Units (DU's)		
- Line-item Improvements:	131	14,940
- Maintenance and Repair:	47	1,060
B. GFOQ Dwelling Units (DU's)		
- Line-item Improvements:	4	480
- Maintenance and Repair:	28	1,779
C. Grand Total:	210	18,259

\* Quarters designated as historically significant requiring major work performed to meet requirements stipulated by the National Historical Preservation Act of 1966 as amended. Major maintenance, repair, and improvement projects are included in the budget submission. Does not include minor recurring routine maintenance and repair.

JUSTIFICATION

April 1993

MANAGEMENT SUBACCOUNT

	<u>FY 93</u>	<u>FY 94</u>
	\$93,678,000	\$81,163,000

The FY 94 request for the management subaccount is based on the level of effort required for housing staffs, referral services, housing surveys and project planning.

RECONCILIATION OF INCREASES AND DECREASES

		<u>(\$M)</u>
1.	FY 93 President's Budget Request	93.7
2.	FY 93 Appropriated Amount	93.7
3.	FY 93 Current Estimate	93.7
4.	Pricing	-2.7
	a. Civilian Pay Raise	(-1.9)
	b. Foreign Currency	(-.8)
5.	Program Decreases	-9.8
	a. Inventory Reduction	(-3.1)
	b. Program Adjustments	(-6.7)
6.	FY 94 Budget Estimate	81.2

Rationale for Changes in the Management Account

Program decreases reflect European drawdown and reduced inventory due to BRAC proposals. Program adjustments include command-initiated transfers and other internal actions.

JUSTIFICATION

April 1993

SERVICES SUBACCOUNT

<u>FY 93</u>	<u>FY 94</u>
\$64,840,000	\$62,447,000

The FY 94 request is based on the required level of support for refuse collection, street cleaning, fire protection, pest control, and custodial services. The requirements and adjustments are outlined below.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$64.8
2. FY 1993 Appropriated Amount	\$64.8
3. FY 1993 Current Estimate	\$64.8
4. Pricing	- .3
Foreign Currency (-0.3)	
5. Program Decrease	-2.1
Inventory Adjustments (-2.1)	
6. FY 1994 Budget Estimate	\$62.4

Rationale for Changes in the Services Account

Program decrease reflects inventory adjustments, including reductions in Europe and base closures.

JUSTIFICATION

April 1993

FURNISHINGS SUBACCOUNT

<u>FY 93</u>	<u>FY 94</u>
\$47,036,000	\$41,707,000

The furnishings subaccount is used primarily for the procurement, management, control, moving and handling, maintenance and repair of appliances (i.e., refrigerators, ranges, and, where authorized at OCONUS locations, washers and dryers) for all family quarters throughout the Army. In addition, furniture items such as beds, tables, dressers, etc., are authorized for OCONUS locations.

RECONCILIATION OF INCREASES AND DECREASES

		<u>(\$M)</u>
1. FY 93 President's Budget Request		52.0
2. Congressional Adjustment		-5.0
3. FY 93 Appropriated Amount		47.0
4. FY 93 Current Estimate		47.0
5. Pricing		-1.4
a. Civilian Pay Raise	(-1.0)	
b. Foreign Currency	(-.4)	
6. Program Decreases		-3.9
a. Inventory Reduction	(-1.6)	
b. Program Adjustments	(-2.3)	
7. FY 94 Budget Estimate		41.7

Rationale for Changes in the Furnishings Account

Program decreases reflect a continuing reduction of AFH furniture and appliances, resulting from planned force structure drawdowns, realignments, and base closures.

JUSTIFICATION

April 1993

MISCELLANEOUS SUBACCOUNT

<u>FY 93</u>	<u>FY 94</u>
\$1,973,000	\$1,840,000

The FY 94 request includes sufficient resources to cover permit payments for housing U.S. soldiers in foreign locations.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 93 President's Budget Request	2.0
2. FY 93 Appropriated Amount	2.0
3. FY 93 Current Estimate	2.0
4. Pricing	- .1
Foreign Currency	(-.1)
5. Program Decrease	- .1
Program Adjustments	(-.1)
6. FY 94 Budget Estimate	1.8

Rationale for Changes in the Miscellaneous Account

Program decrease reflects lower permit payments and deletes accommodation charges, since housing has been turned over to the United Kingdom.

JUSTIFICATION

April 1993

UTILITIES ACCOUNT

<u>FY 93</u>	<u>FY 94</u>
\$313,736,000	\$281,348,000

This program provides for all utilities for Army Family Housing, which include electricity, natural and propane gas, steam hot water, fuel oil, coal, water and sewage. These are must-pay costs and are essential to keep family quarters occupied.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$313.7
2. FY 1993 Appropriated Amount	\$313.7
3. FY 1993 Current Estimate	\$313.7
4. Pricing	4.4
a. Fuel Price Adjustments	( 6.3)
b. Foreign currency	(-1.9)
5. Program Decreases	-36.8
a. Inventory Reduction	(-10.4)
b. Energy Consumption Reduction Goal	(- 4.1)
c. Program Adjustments	(-22.3)
6. FY 1994 Budget Estimates	\$281.3

Rationale for Changes in the Utilities Account

The energy consumption reduction goal of 1.3 percent has been considered in the program. It is anticipated that the established energy reduction goals between FY 85 and FY 95 will be met. Savings realized as a result of the energy conserving repair and improvement projects completed in prior years will continue to help achieve the energy reduction goals.

Inventory adjustments are based on BRAC, reductions in Europe, and increases due to new construction. Program adjustments are made based on unforeseen rate changes, weather conditions, increased savings from energy conserving projects and changes in projected inventory.



JUSTIFICATION

April 1993

MAINTENANCE ACCOUNT

<u>FY 93</u>	<u>FY 94</u>
\$484,016,000	\$388,528,000

The family housing assets maintained by the Army are valued at over \$18 billion in replacement costs. To ensure that these facilities can be occupied continuously requires sound property management for preservation and protection of this major investment. The past decline of the dollar value overseas and budget constraints in prior years have had an adverse impact on the Army's program to contain the growth of deferred maintenance.

During FY 94 it is estimated that approximately 32,062 overseas units and associated costs of \$7,534 million will be required for quarters cleaning between change of occupancy.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$495.8
2. Congressional Adjustment	-11.8
3. FY 1993 Appropriated Amount	\$484.0
4. FY 1993 Current Estimate	\$484.0
5. Pricing	-31.7
a. Inflation (-27.0)	
b. Foreign Currency (- 4.7)	
6. Program Decreases	-63.8
a. Inventory Reduction (-16.5)	
b. Major M&R Project Deletions (-13.8)	
c. Revitalization Reduction (-33.5)	
7. FY 1994 Budget Estimates	\$388.5

Rationale for Changes in the Maintenance Account

Program decreases reflect European drawdown and reduced inventory due to BRAC proposals. Decreases also reflect deletions of several programmed major M&R projects, mainly those in USAREUR. In addition, the revitalization of units contributes to the reduction of required major M&R projects within CONUS.

April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
SUMMARY BACKLOG OF DEFERRED MAINTENANCE  
(\$M)

	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Beginning of Year DMAR	576	638	717
Revitalization Reduction	- 21	- 26	- 33
DMAR Inventory Reduction	- 18	- 33	- 45
Revalue Adjustment (Foreign Currency)	- 40	- 10	- 5
Revised Beginning of Year DMAR	497	569	634
DMAR Containment (Inflation & Deterioration)	28	31	34
Annual Maintenance Requirement	588	627	598
Total Maintenance Requirement	616	658	632
Total Maintenance Financed	449	484	389
Unfunded Requirement	+167	+174	+243
Adjusted DMAR Growth	- 25	- 26	- 37
Change in DMAR	+142	+148	+206
End of Year DMAR	638	717	840

DMAR Containment is computed by applying factors for inflation and deterioration on the beginning of year DMAR reduced by the impact of revitalization projects. The Annual Maintenance Requirement is computed by taking the average cost per dwelling unit (adjusted for inflation and the impact of revitalization) times the average inventory for the year.

The funding request for maintenance in FY 94 is still inadequate to contain the backlog of deferred maintenance and repairs (DMAR). Previous limited maintenance funding and high occupant turnover rates have accelerated deterioration of family quarters and the supporting infrastructure. Limited funding in recent years has also resulted in piece-meal or temporary repairs while more permanent solutions were deferred. Emphasis on timely maintenance and repairs is essential to ensure quarters are available for occupancy. Continually deferring such work increases the rate of deterioration, causing additional unfunded requirements in future years.

The Army has initiated a whole-house/whole-neighborhood concept to establish total funding required to bring existing facilities up to new construction standards. This concept combines all improvements with required maintenance and repairs into one project, minimizing quarters downtime and continual disruption to residents for piece-meal type work. Approximately 40 percent of the dollars in the revitalization program contributes to a reduction in DMAR.

To realize maximum benefit from available maintenance funds, the Army has reduced the maintenance and repair program in Germany to a level which will keep the dwelling units operational until closure decisions are finalized.

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE April 1993	
3. INSTALLATION AND LOCATION Various Locations - Continental			4. PROJECT TITLE AFH Maintenance and Repair Projects over \$15,000 per Dwelling Unit		
5. PROGRAM ELEMENT 887420		6. CATEGORY CODE 771	7. PROJECT NUMBER Congressional Report Request		8. PROJECT COST (\$000) \$2,010.0
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>Projects for Repairs to</u>  Family Housing Dwelling Units (Non General/Flag Officer Qtrs (GFOQ))		DU	78	-	\$2,010.0
10. Description of Proposed Construction  Projects include work necessary to provide adequate family quarters by repairing/ replacing deteriorated building components, i.e., kitchen counters and cabinets, floors, walls, windows, mechanical, electrical, air conditioning and plumbing systems, kitchen and bath fixtures, roofing and exterior siding as required. Replacement of building components in quarters designated as historically significant are performed on life cycle analysis, as applicable, in coordination with the State Historical Preservation Office.  11. Requirement for Project:  PROJECT: Provides repair in 78 units by replacing deteriorated components and/or building systems. These units do not include general or flag officers quarters as projects for those units are reported separately					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE April 1993
3. INSTALLATION AND LOCATION Various Locations - Continental		
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over \$15,000 per Dwelling Unit (DU)		5. PROJECT NUMBER P1920
<p><u>REQUIREMENTS:</u> Projects are required to accomplish necessary repairs in family quarters to correct deficiencies due to continued use, deterioration or failure of building components. The work proposed is the type necessary to assure continued occupancy, adequately maintain the facility, prevent the unit from further deterioration and is based on life cycle analysis of the component. Projects are at CONUS locations.</p> <p><u>CURRENT SITUATION:</u> These units vary in age up to 120 years. The buildings are structurally sound and worthy of investment; however, the facility components and utility systems are deteriorated to the extent that maintenance is no longer effective, and major repairs or replacement of components are required. Type of repairs to be performed are based on a cost analysis.</p> <p><u>NOTE:</u> This information is provided in accordance with the House Appropriation Committee, Report 102-74, 22 May 1991, requiring the Services to report major repairs in family quarters where the costs (obligations) exceed \$15,000 per dwelling unit in a fiscal year. GFOQs are reported separately where the total obligations for maintenance and repair during the fiscal year will exceed \$25,000. The project listing allows for execution of the projects in FY 94. Work required in historical family quarters, designated as historically significant, has been identified and is being performed in consultation with applicable State Historic Preservation Offices.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA						2. DATE April 1993
3. INSTALLATION AND LOCATION Various Locations - Continental							
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over \$15,000 per Dwelling Unit (DU)						5. PROJECT NUMBER P1920	
DESCRIPTION OF WORK TO BE ACCOMPLISHED							
STATE <u>INSTALLATION</u>	NO. <u>D.U.</u>	YEAR <u>BUILT</u>	(\$000) AVE D.U. <u>COST</u>	AVG D.U. <u>NSF</u>	TOTAL PROJECT <u>NSF</u>	(\$000) TOTAL <u>CWE</u>	(\$000) CONCUR <u>PAC</u>
<u>HAWAII</u>							
FORT SHAFTER Historical (PN 13840)	1	1907	60.0	2737	2737	60.0	0.0
Repair dwelling unit, Quarters 15, to include replacing existing interior plumbing and electrical systems. Total M&R + PAC past 5 years: Detailed prior costs are not available							
<u>ILLINOIS</u>							
ROCK ISLAND Historical (PN 41100)	1	1905	30.0	8310	8310	30.0	0.0
Repair dwelling unit, Quarters 6, to include replacing existing asphalt shingled roof, metal flashing, gutters and downspouts. Repair chimneys and ornamental iron braces. This unit also included in PN 41099 and 41114. Total M&R + PAC past 5 years: \$86,277.00.							
ROCK ISLAND Historical (PN 41099)	1	1905	70.0	8310	8310	70.0	0.0
Repair dwelling unit, Quarters 6, to include replacing of the electrical service including the weather head, meter, load center, wiring, receptacles and switches. Same unit as PN 41100. This unit also included in PN 41100 and 41114. Total M&R + PAC past 5 years: \$86,277.00.							
ROCK ISLAND Historical (PN 41114)	7	1872- 1905	18.6	5109	35,764	130.0	0.0
Repair dwelling units, Quarters 2, 3, 6, and 360 (4 units), by installing PVC drainage system around exterior foundation. Waterproof exterior foundation and repair cracks while perimeter is excavated. Total M&R + PAC past 5 years: \$328,761.00.							
<u>New Jersey</u>							
PICATINNY ARSENAL 22 (PN 40980)	22	1909- 1941	17.73	2118	46,597	390.0	0.0
Repair dwelling units to include the replacement of exterior windows and existing storm doors. Total M&R + PAC past 5 years: \$243,900.00							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA				2. DATE April 1993	
3. INSTALLATION AND LOCATION Various Locations - Continental							
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over \$15,000 per Dwelling Unit (DU)						5. PROJECT NUMBER P1920	
DESCRIPTION OF WORK TO BE ACCOMPLISHED							
STATE <u>INSTALLATION</u>	NO. <u>D.U.</u>	YEAR <u>BUILT</u>	(\$000) AVE D.U. <u>COST</u>	AVG D.U. <u>NSF</u>	TOTAL PROJECT <u>NSF</u>	(\$000) TOTAL <u>CWE</u>	(\$000) CONCUR <u>PAC</u>
<u>TEXAS</u>							
FT SAM HOUSTON Historical (PN 40534)	40	1909	15.75	4606	184,233	630.0	0.0
Repair dwelling units to include cracks in exterior walls due to settlement. Repair roof damage due to shifting of the chimneys.. Total M&R + PAC past 5 years: \$250,000.00.							
FT SAM HOUSTON Historical (PN 38940)	1	1906	80.0	4613	4,613	80.0	0.0
Repair dwelling unit to include repair or replacement of exterior masonry veneer and limestone lintels, rafters, roofing and roof flashing. Install steel tie rods in attic and at exterior walls. These repairs will correct structural problems which have developed since construction. Total M&R + PAC past 5 years: \$12,500.00.							
<u>VIRGINIA</u>							
FT BELVOIR Historical (PN 41183)	7	1934	88.6	1852	12,964	620.0	0.0
Repair dwelling units to include the replacement of the boiler and hot water heater; repair the internal electrical system; repair one bathroom in each set of quarters; repair windows and exterior doors; repair the refuse wall and driveway; paint exterior trim; repair work includes the removal of asbestos pipe insulation incidental to boiler replacement. In addition, this project includes minor incidental improvements. Total M&R + PAC past 5 years: \$8,118.00							



ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATE SUBMISSION

SUMMARY OF ACTIONS TAKEN TO CONTROL AND REDUCE  
EXPENDITURES IN GENERAL/FLAG OFFICER QUARTERS (GFOQ),  
"HIGH-COST UNITS"

The Army operates and maintains 385 quarters designated for general officers. Occupants of these quarters come from all Services. Within CONUS, almost half of these units are over 75 years old and an additional 41 percent are between 50 and 75 years of age. The majority of our GFOQs were built prior to the current size limitations, therefore, they are generally larger than more contemporary structures.

Costs to operate these quarters continue to be closely scrutinized. It is our intent to ascertain that expenditures on these units, sometimes referred to as "high cost quarters", are wise and represent sound investments. Our efforts have focused on improving management, increasing occupant participation in controlling costs, and, in general, developing an awareness of "the cost to do business". Jointly, occupants and management exercise responsibility for the stewardship of these quarters by establishing a long range maintenance plan, which can be executed with a reasonable degree of certainty. This plan is updated every year and requires written concurrence from the occupant. Requests for work, not included in the long range plan, must have the occupant's personal signature before the work may be accomplished.

A regulation addressing all aspects of GFOQ management has been published. A copy of this regulation is provided to each occupant at the time the quarters are occupied. In addition, periodic communication with occupants through a variety of media, attempts to keep them informed and foster the prudent landlord concept. Annually, we conduct specialized training in the form of workshops. Also our major Army commands (MACOM) and many installations now have a single point of contact for matters concerning GFOQs.

Detailed cost accounting is maintained for each GFOQ. These costs are reviewed quarterly at the installation, semiannually at the MACOM, and annually at HQDA. In addition, the Secretariat reviews and approves all M&R projects which exceed \$15,000 and annual O&M costs in excess of \$50,000 per quarters in a fiscal year.

April 1993

## DEPARTMENT OF THE ARMY

FISCAL YEAR 1994

**GENERAL/FLAG OFFICER QUARTERS (GFOQs)  
WHERE ANTICIPATED MAINTENANCE AND REPAIR  
OBLIGATIONS WILL EXCEED \$25,000 PER DWELLING UNIT**

This information is provided in accordance with the reporting requirement as stated in the Military Construction Appropriations Bill Report 102-580, June 18, 1992. This report provides information regarding the anticipated costs for those GFOQ's where maintenance and repair obligations in FY 94 are expected to exceed \$25,000 per dwelling unit. Annual lease costs are separately identified, where applicable. Maintenance and repairs include recurring work (service calls, preventive maintenance, and routine work between occupancy), as well as major repairs. In those quarters designated as historical, major work is coordinated with the appropriate State Historic Preservation office. Improvements (post acquisition construction funding) are identified separately if they are proposed to be funded in FY 94. Leased quarters exceeding \$20,000 are included in the Army's high cost lease authority in accordance with Military Construction Authorization Law. All leases executed or renewed where costs exceed \$20,000 require approval by the Secretary of the Army. A semi annual report is submitted to Congress. Post-Acquisition Construction for prior 5 years is identified separately, as applicable.

<u>STATE</u> <u>INSTALLATION</u> <u>QTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &amp;</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
<b>CALIFORNIA</b>						
Ft Mason (PN UF00763-3P)						
2 Ft Mason	4034	yes	1863	\$48,800	-	-

Maintenance and repairs include service calls - \$2,700; recurring maintenance - \$1,700; interior painting - \$1,500; exterior paint-\$700; between occupancy maintenance - \$600; grounds maintenance -\$5,000; repair windows and screens - \$7,900; foundation repairs-\$28,700.

April 1993

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
GENERAL/FLAG OFFICER QUARTERS  
(continued)

<u>STATE</u> <u>INSTALLATION</u> <u>QTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &amp;</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
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## DISTRICT OF COLUMBIA

Ft McNair (PN 36638)

4 Second Ave	3,169	yes	1903	\$91,500	-	-
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5 Second Ave	3,197	yes	1903	\$91,500	-	-
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Maintenance and repairs include service calls - \$3,000; change of occupancy maintenance - \$8,000; replacement of A/C unit \$16,500; repair/renovation of bathroom - \$17,300; repair/renovation of kitchen - \$23,000; exterior masonry repairs - \$2,500; repair fireplaces - \$2,800; replace fan coil units - \$18,400.

7 Second Ave	4,436	yes	1903	\$25,500	-	-
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9 Second Ave	4,278	yes	1903	\$25,500	-	-
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13 Second Ave	3,169	yes	1903	\$25,500	-	-
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14 Second Ave	3,169	yes	1903	\$25,500	-	-
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Maintenance and repairs include service calls - \$3,000; routine maintenance \$6,000; replacement of A/C unit - \$16,500.

## GEORGIA

Ft Benning (PN 41212)

100 Vibbert	6,118	yes	1918	\$34,200	-	-
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Maintenance and repairs include service orders - \$1,100; recurring maintenance - \$4,000; interior painting - \$2,000; grounds maintenance - \$2,000; replacement of wooden balustrades \$8,900; and repair/replacement of porch and balcony - \$16,200.

Ft McPherson

11E Staff Row 3204		yes	1891	\$34,800	-	-
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Maintenance and repairs include service orders - \$2,300; recurring maintenance - \$1,000; grounds maintenance - \$1,000; repair and replacement of metal standing seam roof - \$28,000; replacement of downspouts - \$2,500.

April 1993

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
GENERAL/FLAG OFFICER QUARTERS  
(continued)

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS	LEASE	NEW WORK
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## GEORGIA (cont)

Ft McPherson (cont)

11W Staff Row 3204		yes	1891	\$41,400	-	-
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Maintenance and repairs include service orders - \$2,300; recurring maintenance - \$1,300; repair fireplace - \$1,000; repair air conditioning drainage system - \$1,500; repair back porch - \$2,000; repointing masonry - \$300; repair/replacement of metal standing seam roof - \$28,000; replacement of downspouts - \$2,500; grounds maintenance - \$1,000; repair patio sidewalk - \$1,500.

## HAWAII

Ft Shafter (PN 41037)

4 Palm Circle 4,480		yes	1907	\$101,000	-	-
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Maintenance and repairs include service orders - \$3,000; interior painting - \$4,000; repair/replacement of exterior wood and painting of exterior surfaces - \$13,500; grounds - \$2,000; interior plumbing repairs, including repair/renovation of two bathrooms and laundry room - \$18,500; interior electrical repairs \$31,500; repair/replacement of drywall incident to electrical and plumbing repairs - \$28,500.

10 Palm Circle 4,609		yes	1907	\$31,000	-	-
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Maintenance and repairs include service orders - \$2,000; change of occupancy maintenance - \$15,000; exterior painting - \$12,000; grounds - \$2,000.

Hickam AFB (PN 40074)

301 Julian 4,424		no	1941	\$63,200	-	-
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Maintenance and repairs include service orders - \$2,600; A/C maintenance - \$1,000; interior electric repairs - \$6,000; recurring maintenance - \$2,100; exterior painting - \$10,000; driveway repairs and resurfacing - \$35,000; grounds \$5,000; design costs - \$1,500.

April 1993

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
GENERAL/FLAG OFFICER QUARTERS  
(continued)

<u>STATE</u> <u>INSTALLATION</u> <u>QTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &amp;</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
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## HAWAII (cont)

Pearl Harbor

33 Makalapa	2,616	no	1941	\$26,800	-	-
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Maintenance and repairs include service orders - \$1,200; change of occupancy maintenance - \$2,700; replacement of canec ceilings \$20,900; grounds - \$2,000.

## KENTUCKY

Fort Knox (PN 41057)

1 Fifth Ave	4,424	no	1939	\$40,700	-	-
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Maintenance and repairs include service orders - \$500; recurring maintenance - \$1,100; replacement of the roof, downspouts and gutters - \$35,000; grounds \$2,000; and design costs - \$2,100.

(PN 41057)

1401 5th Ave	2,132	no	1939	\$29,200	-	-
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Maintenance and repairs include service orders - \$400; recurring maintenance - \$1,100; design costs- \$2,700; grounds - \$2,000; repair of gutters and downspouts - \$1,600; interior painting and surface repairs - \$4,000; refinish floors - \$1,000; repair and renovate guest bath - \$3,000; insulate quarters - \$3,000; repair patio - \$1,500; repair sidewalk - \$1,500; renovate bathroom \$8,000.

(PN 41057)

1402 5th Ave	2,172	no	1934	\$42,900	-	-
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Maintenance and repairs include service orders - \$400; recurring maintenance - \$1,100; design costs- \$3,900; grounds - \$2,000; repair of gutters and downspouts - \$1,000; interior painting and surface repairs - \$4,000; refinish floors - \$1,000; repair/renovate guest bath - \$3,000; insulate quarters - \$3,000; repair patio \$1,500; repair sidewalk - \$2,000; renovate bathroom - \$8,000; kitchen/pantry renovation - \$12,000.

April 1993

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
GENERAL/FLAG OFFICER QUARTERS  
(continued)

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS	LEASE	NEW WORK
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## NEW JERSEY

Picatinny Arsenal (PN 40981)

112 Joyes Ln	4,334	yes	1902	\$48,900	-	-
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Maintenance and repairs include service orders - \$2,000;  
recurring maintenance - \$900; replacement of roof, flashing,  
downspouts and gutters - \$46,000.

## NEW YORK

West Point (PN 41034)

100 Jefferson	10,558	yes	1820	\$79,100	-	-
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Maintenance and repairs include service orders - \$3,100; routine  
maintenance - \$3,400; touch-up painting - \$500; exterior brick  
and wood repairs and painting of all exterior trim - \$62,000;  
grounds - \$4,100; design costs - \$6,000.

(PN 41034)

101 Jefferson	4,400	yes	1820	\$58,000	-	-
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Maintenance and repairs include service orders - \$2,200; routine  
maintenance - \$3,400; exterior brick and wood repairs and  
painting of all exterior trim - \$45,000; grounds - \$3,400; design  
costs - \$4,000.

(PN 41034)

102 Jefferson	6,674	yes	1857	\$76,400	-	-
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Maintenance and repairs include service calls - \$2,200; routine  
maintenance - \$3,600; exterior brick and wood repairs and  
painting of all exterior trim - \$52,000; replacement of leaded  
glass windows and fireplace liner - \$7,000; installation of rear  
door overhang to divert water - \$2,500; grounds - \$4,100; design  
costs - \$5,000.



April 1993

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
GENERAL/FLAG OFFICER QUARTERS  
(continued)

STATE INSTALLATION QTRS NO.	NET SQUARE FOOTAGE	HIS- TORIC	YEAR BUILT	MAINT & REPAIRS	LEASE	NEW WORK
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## TEXAS

Ft Sam Houston (PN 39271)

2 Staff Post	3,749	yes	1881	\$83,250	-	-
8 Staff Post	3,749	yes	1881	\$83,250	-	-
9 Staff Post	3,030	yes	1881	\$83,250	-	-
11 Staff Post	3,691	yes	1881	\$83,250	-	-

Maintenance and repairs include service calls - \$1,700; recurring maintenance - \$1,600; grounds - \$2,000; masonry restoration \$9,800; repair, replacement of roof - \$14,700; renovate kitchen \$28,000; renovate 3.5 bathrooms - \$20,000; replace hot water heater and domestic hot water pipes - \$2,950; repair fireplaces \$2,500.

(PN 39271)

6 Staff Post	5,876	yes	1881	\$118,450	-	-
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Maintenance and repairs include service calls - \$1,900; recurring maintenance - \$1,600; grounds - \$2,000; masonry restoration - \$9,800; repair, replacement of roof - \$14,700; renovate kitchen \$28,000; renovate 4.5 bathrooms - \$20,000; replace hot water heater and domestic hot water pipes - \$2,950; replace A/C - \$35,000; repair fireplaces \$2,500.

(PN39271)

10 Staff Post	4,035	yes	1881	\$148,550	-	-
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Maintenance and repairs include service calls - \$1,700; recurring maintenance - \$4,000; change of occupancy maintenance - \$2,900; grounds - \$2,000; masonry restoration - \$9,800; replacement of roof \$14,700; renovate kitchen - \$28,000; renovate 3.5 bathrooms - \$20,000; replace hot water heater and domestic hot water pipes - \$2,950; replace A/C - \$60,000; repair fireplaces \$2,500.



April 1993

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
GENERAL/FLAG OFFICER QUARTERS  
(continued)

<u>STATE</u> <u>INSTALLATION</u> <u>QTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &amp;</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
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## TEXAS (cont)

Ft Sam Houston (cont)

(PN 40780)

416 Dickman	3,137	yes	1934	\$81,900	-	-
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Maintenance and repairs include service calls - \$1,700; recurring maintenance - \$3,400; change of occupancy maintenance - \$2,000; interior painting - \$3,300; grounds - \$2,000; kitchen renovation \$14,000; repair/renovation of 3 bathrooms - \$20,000; repair gutters - \$6,000; repair/replace carport - \$8,000; replace cast stone - \$3,000; scrape, prepare and repaint all wrought iron railings - \$3,000; repair exterior plaster - \$7,000; repair fire places - \$2,500; replace domestic hot water heater and hot water pipes - \$6,000.

## VIRGINIA

Fort Myer (PN 37155)

8 Grant Ave	4,057	yes	1903	\$35,000	-	-
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Maintenance and repairs include service calls - \$3,000; change of occupancy maintenance - \$9,000; interior painting - \$8,000; repair/renovation of master and guest bathrooms - \$15,000.

12A Jackson	2,701	yes	1892	\$29,000	-	-
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Maintenance and repairs include service call - \$3,000; change of occupancy maintenance - \$8,000; interior painting - \$5,000; waterproof basement - \$10,000; replace water chiller - \$3,000.

Fort Myer

(PN 40637)

13B Jackson	1,973	yes	1903	\$39,800	-	-
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Maintenance and repairs include service call - \$3,000; change of occupancy maintenance - \$8,000; interior painting - \$3,000; exterior painting - \$4,000; replacement of fan coil units - \$2,000; repair/renovation of kitchen - \$19,800.

April 1993

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
GENERAL/FLAG OFFICER QUARTERS  
(continued)

<u>STATE</u> <u>INSTALLATION</u> <u>QTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &amp;</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
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BELGIUM (BF 34.13)

Quarters One	10,411	yes	1800	\$100,508	-	-
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Maintenance and repairs include service calls - \$13,078; recurring maintenance - \$6,930; interior painting and replacement of wallcovering - \$16,500; refinishing of wooden floors in three rooms - \$5,500; replacement of water softener - \$3,000; repair/renovation of bathroom - \$24,300; repair/renovation of family kitchen - \$28,200; improvements incidental to kitchen and bathroom repairs - \$3,000.

GERMANY (DM1,65)

Heidelberg 26 Rheinstr	7,000	no	1963	\$53,861	-	-
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Maintenance and repairs include service calls - \$1,700; routine maintenance - \$900; kitchen and service area repairs/renovation \$47,161; grounds - \$4,100.

JAPAN (Yen 124.38)

Camp Zama (PN 41185) Quarters 1000	4,195	no	1955	\$118,300	-	-
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Maintenance and repairs include service calls - \$1,200; change of occupancy maintenance - \$3,000; interior painting - \$8,600; incidental improvements - \$3,000; grounds - \$2,800; design costs \$1,700; repair/renovation of kitchen - \$65,000; repair/upgrade master bath - \$25,000; replacement of entertainment area A/C \$8,000. Area cost factor for Japan is 1.6.

KOREA (Won 797.45)

Seoul (PN41652) Quarters 4401	3,447	no	1959	\$144,100	-	-
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Maintenance and repairs include service calls - \$700; teagu screen doors - \$6,800; replacement of exterior facia board - \$3,000; repair of garage roof - \$4,000; furnace repairs - \$1,000; partial interior painting - \$1,500; kitchen, pantry, and laundry room renovation - \$59,600; renovation of three bathrooms - \$52,500; overhead, supervision, and inspection - \$12,000; minor improvements incidental to kitchen and bathroom repair projects - \$3,000.

April 1993

DEPARTMENT OF THE ARMY  
FISCAL YEAR 1994  
GENERAL/FLAG OFFICER QUARTERS  
(continued)

<u>STATE</u> <u>INSTALLATION</u> <u>QTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &amp;</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
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## PANAMA

Quarry Heights

Quarters # 1	3,865	no	1914	\$61,450	-	-
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Maintenance and repairs include service orders - \$5,200; recurring maintenance and change of occupancy - \$8,750; interior painting - \$3000; kitchen floor replacement - \$1,100; replacement of wooden structural members and supports - \$12,000; replacement of exterior wooden siding - \$13,300; repair replacement of bathroom fixtures - \$1,600; replacement of domestic hot water heaters and coolers - \$3,100; replacement of interior staircase - \$7,000; replacement of storage room roof and rafters - \$5,100; grounds maintenance - \$1,300.

With the exception of Quarters 26 Rheinstrasse, Heidelberg, no other quarters located in Germany were included in this budget submission, pending final basing plans. The

*	Army will submit separately	*
*	notification should it become	*
*	necessary to perform maintenance	*
*	and repairs exceeding \$25,000 in any	*
	quarters during FY 94. It is our	
	strategy to make investments only in	
	those family quarters that are supported	
	by long-term stationing plans.	

April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
REIMBURSABLE AUTHORITY

(\$ In Thousands)	
FY 1994 Program	\$18,000
FY 1993 Current Est	\$16,000

The reimbursable program provides for the collection of costs for utilities and services, annual routine maintenance and repair, rents associated with the use of government housing and trailer pads by authorized occupants, and damages caused by occupant negligence.

The following chart shows the source of receipts for the family housing account.

	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Non-Federal Sources	10,800	10,800	12,800
Other Defense Agencies	3,200	3,200	3,200
Non-Defense Agencies	2,000	2,000	2,000

April 1993

ARMY FAMILY HOUSING  
FISCAL YEAR 1994 LEASING PROGRAM

(\$ In Thousands)	
FY 1994 Program	\$268,139
FY 1993 Current Est	\$358,241

PURPOSE AND SCOPE

The purpose of the family housing leasing program is to provide housing at both domestic and foreign locations when the local economy cannot provide adequate support and additional assets are needed to satisfy a housing deficit. The leasing program is authorized by 10 U.S.C. 2828 and provides for the payment of rent and operation and maintenance costs of privately owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities, refuse collection, and maintenance when these services are not part of the contract agreement.

The Army continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets cannot meet requirements and cost effective alternatives do not exist, short and long-term leases are used. In high cost areas and overseas, the Army relies extensively on the leasing program to obtain housing at prices service members can afford.

PROGRAM SUMMARY

Authorization is requested for the appropriation of \$268,139,000 to fund leases and related expenses in FY 94. A summary of the leasing program follows:

	FY 92		FY 93		FY 94	
	Lease Authori- zations	Cost \$000	Lease Authori- zations	Cost \$000	Lease Authori- zations	Cost \$000
Domestic Leases	3,334	6,382	3,334	31,889	3,334	8,996
Section 2835	4,280	57,238	4,280	58,966	4,280	60,819
Foreign Leases	39,826	328,922	39,826	267,386	39,826	198,324
TOTAL	47,440	\$392,542	47,440	\$358,241	47,440	\$268,139

Funds are required for the average number of units to be occupied during each fiscal year (determined by dividing by 12 the number of lease months occupied) as follows:

	Average No. of Units FY 92	Average No. of Units FY 93	Average No. of Units FY 94
Domestic	572	3,045	745
Section 2835	4,098	4,280	4,280
Foreign	16,643	13,053	10,667
GRHP	6,138	3,822	3,422
TOTAL	27,451	24,200	19,114

#### JUSTIFICATION:

Domestic Leasing: The domestic leasing program provides temporary housing for Army families pending availability of permanent housing. For example, Oahu's leasing program will provide interim relief for service members assigned to this location pending completion of AFH construction programs on the Island. The average number of domestic leases is programmed to peak in FY 93 to accommodate the great number of Army personnel returning from Europe and other locations.

Section 2835 (Formerly Section 801): The Army has implemented the domestic build-to-lease program at eight installations. Under this program the Army leases family housing units from a contractor for up to 20 years. The units are then assigned as military housing to soldiers and their families. This program is helping to reduce our CONUS family housing deficit at sites where Army families are the most seriously affected by housing shortages. Funds are requested to continue payment of lease costs and operation and maintenance expenses. FY 94 budget will support 4,280 occupied units.

Foreign Leasing: The FY 94 foreign leasing program request consists of 14,089 foreign leases, to include 3,422 units for the Government Rental Housing Program (GRHP) in the European Theater, at the currency rate of 1.65DM = \$1.00. Lease extensions are approved on a year-to-year basis.

Governmental Rental Housing Program (GRHP): Under GRHP, the U.S. Government leases existing individual housing units in Europe. There is no construction period as with the build-to-lease projects. The Army negotiates, executes and manages the lease contracts; assuming responsibility for all costs (deposits, rent, utilities, maintenance and services); and paying for damage claims (Army recovering from soldiers). The soldier forfeits all housing allowances and agrees to occupy off-post housing for the entire tour. The lease is terminated when the soldier's tour ends. This program allows soldiers to be housed quickly, without large out-of-pocket expenses.

#### RECONCILIATION OF INCREASES AND DECREASES

	(\$M)
1. FY 1993 President's Budget Request	\$358.2
2. FY 1993 Appropriated Amount	358.2
3. FY 1993 Current Estimate	358.2
4. Program Decreases	90.1
a. Reduction in domestic leasing (-21.0)	
b. Reduction in foreign leasing (-69.1)	
5. FY 1994 Budget Estimate	268.1

#### Rationale for Changes in the Leasing Account

Program decreases reflect the impact of troop reductions and realignments.

The types of Army family housing used in each locality depend upon available assets, often a mix of private rentals, government-owned, and leases; therefore, full authorization is required to allow for sufficient flexibility.

Following is a summary of authorizations and funds required:



ARMY FAMILY HOUSING  
FISCAL YEAR 1994  
LEASING PROGRAM

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		FY 92		FY 93		FY 94	
		Units	Months	Units	Months	Units	Months
		Authorized	Purchsd	Authorized	Purchsd	Authorized	Purchsd
			(\$000)		(\$000)		(\$000)
<b>DOMESTIC LEASING</b>							
FI Campbell, KY	95	864	707	345	4,140	345	4,140
FI Hood, TX	220	1,800	1,567	220	1,200	220	0
Griffiss AFB, NY	100	1,200	1,000	0	0	0	0
Los Angeles Basin, CA	0	0	0	100	1,200	150	1,800
Oahu Consol FH Ofc, HI	250	3,000	3,108	250	3,000	250	3,000
Contingency Allocations	2,669			2,419	27,000	2,369	0
Subtotal Domestic Leasing	3,334	6,864	6,382	3,334	36,540	3,334	8,940
Section 2835 (801)	4,280	49,176	57,238	4,280	51,360	4,280	51,360
Total Domestic Leasing	<u>7,614</u>	<u>56,040</u>	<u>\$63,620</u>	<u>7,614</u>	<u>87,900</u>	<u>7,614</u>	<u>\$69,815</u>
<b>FOREIGN LEASING</b>							
EUSA							
Korea	1,694	12,960	20,212	1,694	15,048	1,694	15,048
USARSO	200	1,200	1,049	200	840	200	840
Panama							
USAREUR	258	3,096	3,671	268	3,216	285	3,420
Belgium	17,245	167,820	198,996	17,235	126,120	17,218	97,320
Germany							
Greece	1	12	20	1	12	1	0
Italy	856	10,272	12,180	856	8,472	856	8,400
Netherlands	320	3,840	4,554	320	2,460	320	2,424
Turkey	17	132	157	17	132	17	132
Subtotal	18,697	185,172	219,578	18,697	140,412	18,697	111,696
Govt Rental Hsg Prgm, Eur	19,200	73,656	87,340	19,200	45,864	19,200	41,064
USAREUR Total	<u>37,897</u>	<u>258,828</u>	<u>306,918</u>	<u>37,897</u>	<u>186,276</u>	<u>37,897</u>	<u>152,760</u>

ARMY FAMILY HOUSING  
FISCAL YEAR 1994  
LEASING PROGRAM

	FY 92			FY 93			FY 94		
	Units Authorized	Months Purchsd	(\$000)	Units Authorized	Months Purchsd	(\$000)	Units Authorized	Months Purchsd	(\$000)
<u>FOREIGN AREA OFFICERS</u>									
Bangladesh	2	24	42	2	24	44	2	24	37
Botswana	1	12	30	1	12	32	1	12	26
Budapest	1	12	34	0	0	0	0	0	0
Cameroon	2	12	37	2	12	38	2	24	44
Czech(Praque)	1	12	36	1	12	36	1	12	32
Egypt	2	24	40	2	24	42	2	24	40
India	1	12	20	1	12	27	1	12	20
Indonesia	1	12	26	1	12	27	1	12	23
Israel	1	12	34	2	24	66	2	24	51
Ivory Coast	2	24	41	2	12	21	1	12	17
Jordan	6	48	85	6	48	88	3	36	60
Korea	0	0	0	0	0	0	2	24	16
Malawi	1	12	34	1	12	35	1	12	34
Morocco	2	24	52	2	24	54	2	24	52
Netherlands	0	0	0	1	0	0	2	24	30
Niger	1	12	30	1	12	31	1	12	27
Pakistan	4	48	63	4	48	66	4	48	63
Portugal	0	0	0	1	0	0	1	12	11
Senegal	0	0	0	0	0	0	0	0	0
Sudan	2	24	47	0	0	0	0	0	0
Tunisia	1	12	20	1	12	21	1	12	15
Turkey	1	12	12	1	0	0	1	12	8
Yugoslavia	1	12	20	1	12	21	1	12	18
Zaire	2	24	40	2	24	42	2	24	40
Zimbabwe	0	0	0	0	0	0	1	12	13
DAMO Total	35	384	743	35	336	685	35	420	677
Total Foreign Leasing	<u>39,826</u>	<u>273,372</u>	<u>328,922</u>	<u>39,826</u>	<u>202,500</u>	<u>267,386</u>	<u>39,826</u>	<u>169,068</u>	<u>198,324</u>
TOTAL LEASING PROGRAM	<u>47,440</u>	<u>329,412</u>	<u>392,542</u>	<u>47,440</u>	<u>290,400</u>	<u>358,241</u>	<u>47,440</u>	<u>229,368</u>	<u>268,139</u>

ARMY FAMILY HOUSING  
FY 94 Section 2835 (801) Family Housing Summary  
(Dollars in Thousands)

<u>Location</u>	<u>No. of Units</u>	<u>FY of Initial Auth</u>	<u>Date of Award</u>	<u>Date of Full Occup</u>	<u>Total Annual Cost</u>	<u>FY 93 Cost</u>	<u>FY 93 Units</u>	<u>FY 94 Cost</u>	<u>FY 94 Units</u>	<u>FY 94 Approp Request</u>
FT Polk, LA	300	84	Dec 85	Nov 87	2,820	2,820	300	2,820	300	2,820
FT Hood, TX	300	84	Mar 86	Jun 88	2,541	2,541	300	2,541	300	2,541
FT Drum NY	1,400	85	Aug 85	Dec 87	18,016	17,927	1,400	18,016	1,400	18,016
FT Wainwright, AK	400	85	Jan 86	Oct 87	12,620	12,000	400	12,620	400	12,620
FT Polk, LA	300	86	Sep 86	Jun 88	2,820	2,820	300	2,820	300	2,820
FT Drum, NY	300	86	Sep 86	Jun 88	3,860	3,842	300	3,860	300	3,860
FT Wainwright, AK	150	87	May 88	Nov 89	4,733	4,500	150	4,733	150	4,733
FT Drum, NY	300	87	May 88	May 89	3,860	3,841	300	3,860	300	3,860
FT Bliss, TX	150	87	Sep 89	Jun 91	1,875	1,803	150	1,875	150	1,875
FT Bliss, TX	150	88	Sep 89	Jun 91	1,875	1,803	150	1,875	150	1,875
FT McCoy, WI	80	88	Sep 89	Feb 92	1,373	1,361	80	1,373	80	1,373
FT Bragg, NC	250	88	Sep 91	May 93	2,633	2,227	250	2,633	250	2,633
FT Stewart, GA	200	88	Sep 91	Apr 93	1,793	1,481	200	1,793	200	1,793
<b>TOTAL</b>	<b>4,280</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>60,818</b>	<b>58,966</b>	<b>4,280</b>	<b>60,818</b>	<b>4,280</b>	<b>\$60,819</b>

ARMY FAMILY HOUSING  
FY 94 Summary Sheet for High Cost Leases

<u>COUNTRY</u>	<u>LEASES</u>	<u>HIGH COST LEASES</u>	<u>FOREIGN CURRENCY</u>	<u>FY88</u>	<u>FY94</u>	<u>ADJUSTED** FY 94 CAP</u>
Belgium	285	19	Franc	42,770	33,720	\$25,368
Germany	8,110	1	Deutsche Mark	2,060	1,650	\$24,970
Italy	700	3	Lira	1423,000	1234,110	\$23,061
Ivory Coast	1	1	Central	291,000	261,000 *	\$22,299
Netherlands	202	3	Guilder	2,330	1,850	\$25,189

\*Source of rate information - Department of State.

\*\* The adjusted high cost cap is determined by multiplying \$20K times the FY 88 exchange rate divided by the FY 94 exchange rate. Leases exceeding this cap are counted against the number of high cost leases allowed.

April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
DEBT PAYMENT

	(\$ In Thousands)
FY 1994 Program	\$429
FY 1993 Current Est	\$177

Purpose and Scope

This program includes payment of mortgage principal, interest, and other expenses on remaining indebtedness for acquired Wherry housing and payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel for housing purchased by them.

Program Summary

Authorization is required for the appropriation of \$429,000 in FY 1994 for the following:

WHERRY HOUSING

This program includes payments of mortgage principal, interest and other expenses related to Wherry Housing. The FY 1994 budget includes \$412,000 for payoff on the one remaining mortgage at Ft. Huachuca, AZ. Although the scheduled payoff date is 1 January 1997, paying off the mortgage at this time will result in a savings of \$31,000 in interest payments alone, plus costs involved in various recordkeeping transactions on this mortgage. A summary of debt payment requirements for Wherry Housing is listed separately.

SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

This program provides for the payment of premiums due on mortgage insurance provided by the Federal Housing Administration for housing mortgages purchased by active duty military personnel. Also, it continues payments for cases where a serviceman dies while on active duty and leaves a surviving widow as owner of the property. Payments extend for a period of two years after death or until the widow disposes of the property, whichever occurs first. The premium rate is 1/2 of 1 percent of the unpaid balance of the mortgage. The Department of Housing and Urban Development stopped processing applications for servicemen's mortgage insurance premiums as of 31 March 1980 with the discontinuance of Section 222 of the Housing Act.

April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
DEBT PAYMENT

TOA:	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Interest and Other Expenses			
Wherry	<u>26</u>	<u>32</u>	<u>6</u>
SUBTOTAL	26	32	6
Mortgage Insurance Premiums			
Servicemen's	18	18	11
SUBTOTAL			
Total Obligating Authority	44	50	17
FINANCING ADJUSTMENTS:	0	0	0
BUDGET AUTHORITY:	44	50	17
BUDGET AUTHORITY:			
Appropriation:	169	177	429
Portion Applied to Debt Reduction:			
Wherry	<u>125</u>	<u>127</u>	<u>412</u>
SUBTOTAL	125	127	412
Appropriation (Adjusted)	44	50	17
FY 1994			
Appropriation Recapitulation			
Wherry (Payoff)			418
Servicemen's Mortgage Insurance Premiums			<u>11</u>
TOTAL			429

April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
ANALYSIS OF WHERRY HOUSING  
(\$000)

	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Total Debt Incurred	154,892	154,892	154,892
Debt retired prior years	154,228	154,353	154,480
Unpaid balance beginning of year	664	539	412
Estimated Debt retired during year (principle payments)	125	127	412
Estimated interest payments during year	26	32	6
Unpaid balance end of year	539	412	0
Number of mortgages outstanding beginning of year	1	1	0
Number of mortgages outstanding end of year	1	1	0



April 1993

ARMY FAMILY HOUSING  
FY 1994 BUDGET ESTIMATES  
DEBT PAYMENT  
SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

<u>FISCAL YEAR</u>	<u>MORTGAGES ON HAND</u>	<u>ESTIMATED TERMINATIONS</u>	(\$ 000)	
			<u>ESTIMATED AVERAGE PAYMENT</u>	<u>ESTIMATED PAYMENT FOR YEAR</u>
1991	420	229	45	18
1992	191	19	94	18
1993	172	17	104	18
1994	155	16	71	11



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## PART III HOMEOWNERS ASSISTANCE

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April 1993

HOMEOWNERS ASSISTANCE FUND, DEFENSE(In Thousands)

FY 1992 Actual	\$ 27,471
FY 1993 Estimate	\$138,000
FY 1994 Estimate	\$151,400

Program and Scope

This fund finances the program for providing assistance to homeowners by reducing their losses incident to the disposal of their homes when the military installations at or near where they are serving or employed are ordered to be closed or the scope of operations is reduced. It was established in recognition of the fact that base closure and reduction actions can have serious economic effects on local communities. Military, federal civilian personnel and Non-appropriated Fund employees, who are required to relocate as a result of or during such actions, frequently cannot dispose of their homes under reasonable terms and conditions, and suffer severe financial hardship.

In order to determine the affect of the closure or reduction action on local communities, a Market Impact Study (MIS) is performed. The MIS addresses market conditions and overall economic conditions relative to the closure or reduction action, and includes appraisal of area properties before and after the announcement. Factors in determining market impact include: a significant decline in real estate market value; significant increases in inventory of unsold houses, average number of days on the market; foreclosures; decrease in home sales; and inability of affected personnel to sell homes for the amount of the existing mortgage. If the MIS demonstrates sufficient impact on the market and establishes a causal relationship, a program is approved. Eligible applicants may be reimbursed for certain losses resulting from the sale of their home.

Benefits under the program include payment of partial compensation for losses sustained in the private sale of the dwelling; payment of the costs of a judicial foreclosure of a mortgage; or purchase of dwelling by liquidating or assuming the outstanding mortgage. Although the program provides for acquisition of dwellings, the Government does so only for the accommodation of the applicant. The homes are then resold by the Government. Every effort is made to insure that each applicant is treated equally and receives the maximum benefits under the law as rapidly as practicable, but with a minimum expenditure of time and money for administration.

Program Summary

The FY 1994 budget requests \$151.4 million in appropriation budget authority. This represents an increase of \$13 million over the FY 1993 funded program. Program increases are the result of the additional bases and installations approved for closures and realignments. Future base closure actions will continue to have a significant impact on this account.

The fund is not a profit-making endeavor. Even though the proceeds from the sale of homes are returned to the fund, this revenue does not totally replenish it nor fund the projected requirements. Since the Homeowners Assistance Fund is not self-sustaining, appropriated funds are required to maintain its solvency as a contingency fund. The FY 1994 budget request of \$151.4 million, is necessary to complete current programs, fund programs generated by realignments that do not require Congressional approval and fund programs generated by the 1991 Base Realignment and Closure Announcements (BRAC II).

The Homeowners Assistance Fund, Defense (HOA) is a non-expiring revolving fund. As shown on the Program Financial Summary chart, the fund receives funding from several sources: appropriations, borrowing authority, reimbursable authority, prior fiscal year unobligated balances, revenue from resale of acquired properties, and recovery of prior year obligations. Program expenses include payments to homeowners for losses on private sale; cost of a judicial foreclosure; property acquisition by liquidating and/or assuming the outstanding mortgage; partial payment of homeowners' lost equity on government acquisitions; retirement of debt after sale of properties on which the government had assumed the mortgage; and administrative expenses.

Many factors and circumstances influence the residential real estate market nationwide and HAP financial requirements. These influences are sensitive and unpredictable. The Budget Enforcement Act of 1990 (BEA) changed the way borrowing authority is scored in the budget. HAP has standing indefinite authority to assume mortgages and exercise borrowing authority. Although this may still be used, due to the BEA, the caps on spending in the mandatory federal budget accounts cannot be exceeded without the potential for a sequester action. Consequently, borrowing authority can only be used in the amount anticipated and scored in the budget.

The chart below is a summary of the funding for the FY 1992, FY 1993 and FY 1994

		PROGRAM FINANCIAL SUMMARY		
		ACTUAL FY 1992	FY 1993	FY 1994
HOMEOWNERS ASSISTANCE FUND, DEFENSE				
I. PROGRAM RESOURCES				
New Appropriation Requested		84,000,000	133,000,000	151,400,000
Indefinite Borrowing Authority		0	5,000,000	0
Total Budget Authority Requested		84,000,000	138,000,000	151,400,000
II. REIMBURSABLE RESOURCES				
Reimbursable Authority		1,000	0	0
III. OTHER PROGRAM RESOURCES				
Prior FY Unobligated Balance Brought Forward		7,476,000	74,575,000	80,835,000
Anticipated Revenue from Sale of Real Property		11,908,000	5,500,000	20,000,000
Appropriation Transfers		0	0	0
Recovery of Prior Year Balances		32,000	0	0
TOTAL PROGRAM RESOURCES		103,417,000	218,075,000	252,235,000
V. PLANNED PROGRAM EXECUTION				
Payments to Homeowners		1,587,000	7,334,000	5,755,000
Other Operating Cost		7,046,000	29,596,000	24,604,000
Acquisition of Real Property		18,839,000	91,070,000	127,393,000
Mortgages Assumed		0	5,000,000	0
Retirement of Debt - Authority Withdrawn		1,370,000	4,240,000	1,301,000
TOTAL PLANNED PROGRAM EXPENSE		28,842,000	137,240,000	159,053,000
VII. ANTICIPATED EOY UNOBLIGATED				
Balance Carried Forward		74,575,000	80,835,000	93,182,000

Homeowners Asst Fund, Def.  
Program and Financing (in thousands of dollars)

Identification code	97-4090-0-3-051	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
01.0101	Payment to homeowners (private sale and foreclosure assistance)	1,587	7,334	5,755
01.0201	Other operating costs	7,045	29,596	24,604
02.0101	Acquisition of real property	16,839	91,070	127,383
02.0201	Mortgages assumed		5,000	
02.9101	Total program	27,471	133,000	157,752
03.0101	Reimbursable program	1		
10.0001	Total obligations	27,472	133,000	157,752
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-1		
14.0001	Non-Federal sources(-)	-11,908	-5,500	-20,000
17.0001	Recovery of prior year obligations	-32		
21.9001	Unobligated balance available, start of year:			
21.9001	Unobligated balance, SDY: Fund balance	-7,476	-74,575	-80,835
24.9001	Unobligated balance, end of year:			
24.9001	Unobligated balance, SDY: Fund balance	74,575	90,835	93,182
32.4701	Balance of authority to borrow withdrawn	1,370	4,240	1,301
39.0001	Budget authority	84,000	138,000	151,400
40.0001	Budget authority:			
40.0001	Appropriation	84,000	133,000	151,400
87.1501	Authority to borrow (indefinite)		5,000	
Relation of obligations to outlays:				
71.0001	Obligations incurred	15,563	127,500	137,752
72.9001	Obligated balance, start of year: Obligated balance, start of year, fund	4,541	8,892	93,177
74.9001	Obligated balance, end of year: Obligated balance, end of year, fund	-8,892	-93,177	-141,511
77.0001	Adjustments in expired accounts (net)	-1,194		
78.0001	Adjustments in unexpired accounts	-32		
90.0001	Outlays (net)	9,586	43,215	58,418



Homeowners Asst Fund, Def.  
Object Classification (in thousands of dollars)

548

Identification code	97-4090-0-3-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
Personnel compensation:				
111.801	Special personal services payments	1,600	5,654	10,474
121.001	Travel and transportation of persons	227	180	581
Other services:				
125.204	Other	5,218	15,762	76,969
132.001	Land and structures	18,839	101,070	63,993
142.001	Insurance claims and indemnities	1,587	7,334	6,755
199.001	Total Direct obligations	27,471	133,000	157,752
Reimbursable obligations:				
Other services:				
225.204	Other	1		
299.001	Total Reimbursable obligations	1		
999.901	Total obligations	27,472	133,000	157,752

**FY 1994 BUDGET ESTIMATES**

**APRIL 1993**

# **ARMY NATIONAL GUARD**



## **MILITARY CONSTRUCTION PROGRAM FY 1994**

**JUSTIFICATION DATA SUBMISSION TO CONGRESS**

**DEPARTMENT OF THE ARMY**

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MILITARY CONSTRUCTION, ARMY NATIONAL GUARD

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SUMMARY PROJECT LIST  
MAJOR MILITARY CONSTRUCTION ARMY NATIONAL GUARD  
FISCAL YEAR 1994  
(DOLLARS IN THOUSANDS)

<u>STATE</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH AMOUNT</u>	<u>APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE</u>
<u>INSIDE THE UNITED STATES</u>				
ALABAMA	EGLIN AFB (FLORIDA) MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE	3,825	3,825	3
	MOBILE ORGANIZATIONAL MAINTENANCE SHOP ADDITION	<u>502</u>	<u>502</u>	11
	STATE TOTAL	4,327	4,327	
ARKANSAS	CAMP ROBINSON (NORTH LITTLE ROCK) TRAINING SITE UTILITIES RENOVATION	1,275	1,275	15
	ARMORY	3,205	3,205	19
	SANITARY SEWER IMPROVEMENT	4,223	4,223	25
	MODIFIED RECORD FIRE RANGE	<u>907</u>	<u>907</u>	29
	STATE TOTAL	9,610	9,610	
HAWAII	KAUAI KNOWN DISTANCE RANGE UPGRADE	<u>334</u>	<u>334</u>	120
	STATE TOTAL	334	334	
IDAHO	GOWEN FIELD (BOISE) COMBAT VEHICLE TRANSITION COMPLEX	5,044	5,044	33
	USPFO ADMIN OFFICE & WAREHOUSE ADD	1,391	1,391	37
	HOMEDALE ARMORY	<u>1,157</u>	<u>1,157</u>	43
	STATE TOTAL	7,592	7,592	

STATE	INSTALLATION AND PROJECT	AUTH AMOUNT	APPROP AMOUNT	DD FORM 1391 PAGE
INDIANA	ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH) INFANTRY SQUAD BATTLE COURSE (RETS)	1,156	1,156	47
	MODIFIED RECORD FIRE RANGE (RETS), UPGRADE	<u>654</u>	<u>654</u>	51
	STATE TOTAL	1,810	1,810	
MAINE	NORWAY ARMORY EXPANSION/REHAB	<u>1,380</u>	<u>1,380</u>	55
	STATE TOTAL	1,380	1,380	
MARYLAND	TOWSON ARMORY ALTER/ADDITION	<u>2,823</u>	<u>2,823</u>	61
	STATE TOTAL	2,823	2,823	
MINNESOTA	CAMP RIPLEY (LITTLE FALLS) MULTI PURPOSE RANGE COMPLEX (HEAVY) (RETS) ORGANIZATIONAL MAINTENANCE SHOPS	3,185	3,185	65
		<u>2,625</u>	<u>2,625</u>	73
	STATE TOTAL	5,810	5,810	
MISSOURI	FORT CROWDER TROOP MEDICAL TRAINING FACILITY	<u>386</u>	<u>386</u>	120
	STATE TOTAL	386	386	
MONTANA	FORT HARRISON (HELENA) MEDICAL UNIT TRAINING FACILITY	<u>501</u>	<u>501</u>	77
	STATE TOTAL	501	501	

STATE	INSTALLATION AND PROJECT	AUTH AMOUNT	APPROP AMOUNT	DD FORM 1391 PAGE
NORTH CAROLINA	FAYETTEVILLE ORGANIZATIONAL MAINTENANCE SHOP	<u>473</u>	<u>473</u>	81
	STATE TOTAL	473	473	
NORTH DAKOTA	BISMARCK AVIATION C-12 HANGAR	1,297	1,297	85
	CAMP GRAFTON (DEVILS LAKE)			
	MODIFIED RECORD FIRE RANGE (RETS)	1,038	1,038	89
	HEATING PLANT ADDITION	<u>1,826</u>	<u>1,826</u>	93
	STATE TOTAL	4,161	4,161	
UTAH	CAMP WILLIAMS (LEHI) INFANTRY SQUAD BATTLE COURSE (RETS)	1,066	1,066	99
	MILITARY OPERATIONS IN URBANIZED TERRAIN (MOUT) ASSAULT COURSE	<u>850</u>	<u>850</u>	103
	STATE TOTAL	1,916	1,916	
VARIOUS	VARIOUS/WORLDWIDE LOCATIONS ARMORY UNIT STORAGE BUILDINGS	750	750	105
	INDOOR RANGE MODERNIZATION	<u>637</u>	<u>637</u>	107
	STATE TOTAL	1,387	1,387	
VERMONT	CAMP JOHNSON (COLCHESTER) ORGANIZATIONAL MAINTENANCE SHOP	1,002	1,002	113
	ETHAN ALLEN TRAINING SITE, SUPPORT FACILITY	<u>304</u>	<u>304</u>	120
	STATE TOTAL	1,306	1,306	

<u>STATE</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH AMOUNT</u>	<u>APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE</u>
WASHINGTON	YAKIMA TRAINING CENTER (YAKIMA) MODIFIED MACHINE GUN RIFLE/ RANGE (RETS)	<u>1,527</u>	<u>1,527</u>	117
	STATE TOTAL	1,527	1,527	
TOTAL MAJOR CONSTRUCTION		45,343	45,343	
SUPPORT:				
	PLANNING AND DESIGN	522	522	121
	MINOR CONSTRUCTION	<u>5,000</u>	<u>5,000</u>	123
	SUBTOTAL SUPPORT	5,522	5,522	
GRAND TOTAL AUTHORIZATION/APPROPRIATIONS		50,865	50,865	



NEW MISSION / CURRENT MISSION  
FISCAL YEAR 1994

<u>Location</u>	<u>Project</u>	<u>Cost (\$000)</u>	<u>New/ Current</u>
Eglin AFB (Florida), AL	Multipurpose Range	3,825	C
Mobile, AL	Complex (MPRC) Upgrade		
	Organizational	502	C
Camp Robinson (N. Little Rock), AR	Maintenance Shop Add		
	Training Site, Utilities	1,275	C
	Renovation		
	Armory	3,205	N
	Sanitary Sewer Improv	4,223	C
	Modified Record Fire Range	907	C
Kauai, HI	Known Distance Range Upg	334	C
Gowen Field, (Boise), ID	Combat Vehicle Trans Cmplx	5,044	N
Homedale, ID	USPFO Admin Ofc & Whse Add	1,391	C
Atterbury ARFTA, (Edinburgh), IN	Armory	1,157	C
	Infantry Squad Battle	1,156	C
	Course (RETS)		
	Modified Record Fire	654	C
	Range (RETS) Upgrade		
Norway, ME	Armory Expan/Rehab	1,380	C
Towson, MD	Armory Alt/Add	2,823	N
Camp Ripley (Little Falls), MN	Multi Purpose Range	3,185	C
	Complex (Heavy) (RETS)		
	OMSs	2,625	C
Fort Crowder, MO	Troop Medical Tng Facil	386	C
Fort Harrison (Helena), MT	Medical Unit Tng Facil	501	C
Fayetteville, NC	Organizational Maint	473	C
	Shop		
Bismarck, ND	Aviation, C-12 Hanger	1,297	N
Camp Grafton (Devils Lake), ND	Modified Record Fire	1,038	C
	Range (RETS)		
	Heating Plant Addition	1,826	C
Camp Williams (Lehi), UT	Infantry Squad Battle Crse	1,066	C
Camp Johnson (Colchester), VT	MOUT Assault Course	850	C
	Organizational Maint	1,002	C
	Shop		
Ethan Allen, VT	Train Site, Support Facil	304	C
Yakima Tng Ctr (Yakima), WA	Modified Machine Gun /	1,527	C
	Rifle/Range (RETS)		

## Recapitulation:

Total New Mission	12,369
Total Current Mission	31,587
Total Various Locations (Armory Unit Storage Buildings)	750
Total Various Locations (Indoor Range Modernization)	637
Total Planning & Design	522
Total Minor Construction	<u>5,000</u>
Grand Total	50,865

## DEPARTMENT OF THE ARMY

## JUSTIFICATION OF ESTIMATES FOR 1994

APPROPRIATION LANGUAGE

## MILITARY CONSTRUCTION, ARMY NATIONAL GUARD

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army National Guard, as authorized by Chapter 133 of Title 10, United States Code, as amended, and the Reserve Forces Facilities Act \$ 50,865,000 (\$214,989,000) (1)(2) to remain available until 30 September 1998 (30 September 1997).

## Section 2 - EXPLANATION OF LANGUAGE

- (1) Insertion of the FY 94 budget request.
- (2) Deletion of the FY 93 appropriation.

07 MAR 93

REPORT 21

Mil. Con., Army National Guard  
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-2085-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)			
		1992 actual	1993 est.	1994 est.	
Program by activities:					
Direct program:					
00.0101	Major construction	210,717	204,489	45,343	
00.0201	Minor construction	7,500	5,000	5,000	
00.0301	Planning	12,300	5,000	522	
00.9101	Total direct program	230,517	214,989	50,865	
10.0001	Total	230,517	214,988	50,865	
Financing:					
17.0001	Recovery of prior year obligations				
	Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans				
21.4009	Reprogramming from/to prior year budget plans				
	Unobligated balance available, end of year:	-5,018			
24.4002	For completion of prior year budget plans				
25.0001	Unobligated balance expiring	757			
40.0001	Budget authority (Appropriation)	226,256	214,989	50,865	
Relation of obligations to outlays:					
71.0001	Obligations incurred				
72.4001	Obligated balance, start of year				
74.4001	Obligated balance, end of year				
77.0001	Adjustments in expired accounts (net)				
78.0001	Adjustments in unexpired accounts				
90.0001	Outlays (net)				

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07 MAR 93

REPORT 21

SUMMARY

MIL. CON., Army National Guard

Program and Financing (in Thousands of dollars)

Obligations

Identification code	21-2085-0-1-051	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
00.0101	Major construction	220,882	349,714	140,164
00.0201	Minor construction	9,027	8,073	4,170
00.0301	Planning	7,114	12,886	2,072
00.9101	Total direct program	237,023	370,473	146,406
10.0001	Total	237,023	370,473	146,406
Financing:				
17.0001	Recovery of prior year obligations	-14,363		
21.4002	Unobligated balance available, start of year:			
21.4009	For completion of prior year budget plans	-306,252	-309,090	-153,606
24.4002	Reprogramming from/to prior year budget plans			
24.4002	Unobligated balance available, end of year:	309,090	153,606	58,065
25.0001	For completion of prior year budget plans	757		
25.0001	Unobligated balance expiring			
40.0001	Budget authority (Appropriation)	226,256	214,989	50,865
Relation of obligations to outlays:				
71.0001	Obligations incurred	237,023	370,473	146,406
72.0001	Obligated balance, start of year	281,048	263,814	329,169
73.0001	Obligated balance, end of year	-263,814	-329,169	-207,175
77.0001	Adjustments in expired accounts (net)	-528		
78.0001	Adjustments in unexpired accounts	-14,363		
90.0001	Outlays (net)	239,366	305,118	268,400

07 MAR 93

REPORT 21

Mil. Con.. Army National Guard  
 Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2085-0-1-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
111.501	Personnel compensation:	31		
	Other personnel compensation			
126.204	Other	8,129	3,531	1,628
127.001	Supplies and materials		11	12
131.001	Equipment		28	8
132.001	Land and structures	230,683	389,903	144,761
199.001	Total Direct obligations	237,023	370,473	146,406
999.901	Total obligations	237,023	370,473	146,406

x

SPECIAL PROGRAM CONSIDERATIONS

POLLUTION ABATEMENT: The military construction projects proposed in the program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution programs at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

ENERGY CONSERVATION: Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy savings devices. Projects are designed for minimum energy consumption.

FLOOD PLAIN MANAGEMENT AND WETLANDS PROTECTION: Proposed land acquisition disposition, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order No. 11988 and 11990.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL: In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

PRESERVATION OF HISTORICAL SITES AND STRUCTURES: Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places except as noted on DD Form 1391.

USE OF EXCESS SCHOOLS AND OTHER BUILDINGS: Considerations were made to utilize available commercial or academic buildings but none were found suitable.

ENVIRONMENTAL PROTECTION: In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

ECONOMIC ANALYSIS: Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.



NON-MILCON CONSTRUCTION: \$71.0 Million in the FY 94 Real Property Operations and Maintenance program will maintain 27,969,546 SF in 4,962 logistical support buildings. Furthermore, it supports 263 training sites (12,423 buildings totaling 36,268,171 SF) in the 54 states, territories and commonwealths used by the ARNG, and other DOD component forces. The funding is dedicated to Annual Recurring Requirements of \$69.2 Million and routine or emergency maintenance and repair projects of approximately \$36.8 Million. No funding is dedicated to the containment and reduction of Backlog of Maintenance and Repair (BMAR). BMAR will grow from \$113.1 Million in FY 93 to a projected \$153.9 Million in FY 94.

LONG-TERM FACILITIES CONTRACTS: The National Guard does not have any long-term facilities contracts.

CONSTRUCTION CRITERIA: Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

AREA COST FACTOR: Area Cost Factor (ACF) indexes displayed for each appropriate area were developed from State and historical construction cost records and may not directly collate with specific cost factors developed by the U.S. Army Corps of Engineers for Service-wide use.

RESERVE MANPOWER POTENTIAL: The Reserve manpower potential to meet and maintain authorized strengths of all Reserve units in the areas where units are to be located has been reviewed in accordance with the procedures described in DoD Directive 1225.7. It has been determined, in coordination with the other Military Departments having Reserve units in the area, that the number of Reserve Components presently located in the area, and those units having been allocated to this area for future activation, is not and shall not be larger than the number that reasonably may be maintained at authorized strength.

RESOLUTION TRUST CORPORATION PROPERTY: Requested construction projects have been reviewed, consistent to the Senate Armed Services Committee Report on the National Defense Authorization Act for FY 1991, for cost effective utilization of properties to be disposed of by the Resolution Trust Corporation (Trust). It was determined that weapons firing ranges, troop support facilities and expansions to facilities on existing State or Federal troop training sites would not be compatible with the types of available Trust owned facilities and therefore not considered as a cost effective investment. Similarly, expansions required to existing State owned facilities would not be amenable to a program of acquiring Trust owned buildings because of the additional costs involved to both the State and Federal governments for relocating the assigned units or military function. Requirements for replacement facilities non-collated on an active training site have been studied in detail and determined that either no Trust owned facilities are available in the community or acquisition would not be cost effective compared to the requested construction.

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 21 OCT 92
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE (FLORIDA), ALABAMA		4. AREA CONSTR COST INDEX 83.9	
5. FREQUENCY AND TYPE UTILIZATION  EGLIN TRAINING SITE IS APPROVED FOR YEAR ROUND USE, IDT AND ANNUAL TRAINING SUPPORTING THE ARNG OF ALABAMA AND PROPOSED NUMEROUS OTHER STATES. THIS FACILITY IS UTILIZED FOR ANNUAL TRAINING AND IDT TRAINING EVERY YEAR.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS THIS TRAINING SITE IS LOCATED ON RANGE B-75, EGLIN AFB, FLORIDA AND THERE ARE NO OTHER LIKE FACILITIES WITHIN A 25 MILE RADIUS.			
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
179	MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE	2 LANES	3,825
			DESIGN STATUS START 06/88 COMPLETE 08/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDS UNILATERAL CONSTRUCTION. 7 OCT 92 (Date)			
9. LAND ACQUISITION REQUIRED 0 (Number of Acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS NONE			
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".			

1. COMPONENT <b>ARRNG</b>	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE <b>7 293</b>																								
3. INSTALLATION AND LOCATION <b>EGLIN AIR FORCE BASE (FLORIDA), ALABAMA</b>																										
11. PERSONNEL STRENGTH AS OF <b>30 SEP 92</b>																										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="text-align: center;">TOTAL</th> <th style="text-align: center;">PERMANENT OFFICER</th> <th style="text-align: center;">ENLISTED</th> <th style="text-align: center;">CIVILIAN</th> <th style="text-align: center;">TOTAL</th> <th style="text-align: center;">GUARD/RESERVE OFFICER</th> <th style="text-align: center;">ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td style="text-align: center;">20</td> <td></td> <td></td> <td style="text-align: center;">20</td> <td style="text-align: center;">5755</td> <td></td> <td></td> </tr> <tr> <td>ACTUAL</td> <td style="text-align: center;">20</td> <td></td> <td></td> <td style="text-align: center;">20</td> <td style="text-align: center;">5597</td> <td></td> <td></td> </tr> </table>		TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED	AUTHORIZE	20			20	5755			ACTUAL	20			20	5597			
	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED																			
AUTHORIZE	20			20	5755																					
ACTUAL	20			20	5597																					
12. RESERVE UNIT DATA																										
UNIT DESIGNATION	STRENGTH																									
ARMOR, INFANTRY, ENGINEER AND SPECIAL FORCES UNITS	AUTHORIZED 5755	ACTUAL 5597																								
13. MAJOR EQUIPMENT AND AIRCRAFT																										
TYPE N/A	AUTHORIZED	ACTUAL																								
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
A. AIR POLLUTION	NONE																									
B. WATER POLLUTION	NONE																									
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																									

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE (FLORIDA), ALABAMA			4. PROJECT TITLE MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 010088		8. PROJECT COST (\$000) 3,825	
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				2,655	
RANGE (TWO LANES).....	LS	-	-	(2,655)	
SUPPORTING FACILITIES.....				916	
SITE PREPARATION.....	AC	185	375.00	( 69)	
FINE GRADING & SEEDING.....	AC	74	1200.00	( 89)	
LANE/SAFETY MARKERS.....	LS	-	-	( 3)	
BRIEFING/INST BUILDING/LATRINE.....	SF	992	45.00	( 45)	
AMMO HANDLING FACILITY/CONCRETE SLAB.....	LS	-	-	( 58)	
UTILITIES: COMMUNICATIONS/WATER MAIN.....	LS	-	-	( 19)	
ROADS/TURNING PAD/TANK TRAILS.....	LS	-	-	( 633)	
SUBTOTAL.....				3,571	
CONTINGENCY (5%).....				179	
SUPERVISION, INSP & OVERHEAD (2.00%).....				75	
TOTAL REQUEST.....				3,825	
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				(1,645)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct a permanent standard design, multipurpose range complex consisting of an upgrade from one lane Remoted Target System (RETS) to three full firing lanes with range support facilities. Each lane of the range complex will have two tank trail, four armor moving targets, 20 stationary armor, 45 stationary personnel targets, 15 moving personnel targets, 10 defilade firing positions, power and data distribution system. Range support facilities will include site preparation, fine grading and seeding, utilities, ammo building concrete slab, access and service roads.					
<u>Air Conditioning: 2 tons for control tower</u>					
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A					
PROJECT: This range allows the Training Site to more effectively support the inactive duty training (IDT) and annual training (AT) needs of the Alabama ARNG and other states who utilize the site. (Current Mission)					
REQUIREMENT: This Multipurpose Range Complex is required by ARNG units to perform Tank Gunnery Qualification requirements as established by Forces Command (FORSCOM) Regulation 350-2. This proposal will provide for intermediate and advanced qualifications at the Crew, Section, and Platoon levels. This range will have a full RETS installed for Armor and Infantry use. It will be constructed as an upgrade, resulting in a full MPRC upon completion.					
CURRENT SITUATION: Existing facilities do not provide ranges that adequately conform to current weapons standards for gunnery Tank Tables.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JAN 90
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE (FLORIDA), ALABAMA		
4. PROJECT TITLE MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE	5. PROJECT NUMBER 010088	
<p>11. REQUIREMENT (Continued)</p> <p><u>IMPACT IF NOT PROVIDED:</u> The existing range is not capable of providing current Tank Tables VIII through XII Gunnery requirements. This training shortfall requires movement of three Armor battalions and one Cavalry Squadron out of state, at high cost, to a Gunnery complex that can fulfill the annual FORSCOM requirement to qualify platoons in Tank Gunnery. This range will meet the requirements for the M-60A3 and M-1 issued to the AL ARNG.</p>		

1. COMPONENT ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE APR 93								
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE (FLORIDA), ALABAMA										
4. PROJECT TITLE MULTIPURPOSE RANGE COMPLEX (MPRC), UPGRADE	5. PROJECT NUMBER 010088									
12. SUPPLEMENTAL DATA:										
<p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started.....6/88</p> <p>(b) Percent complete as of 1 January 1993.....100%</p> <p>(c) Date Design Expected to be 35% Complete.....8/88</p> <p>(d) Date Design Completed.....8/92</p> <p>(2) BASIS:</p> <p>(a) Standard or Definitive Design - Yes <u>X</u> No <u>    </u></p> <p>(b) Where was Design Previously Used? <u>HNDM 1110-1-6</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) or (d)+(e) (\$000)</p> <p>(a) Production of Plans and Specifications.....( <u>0</u> )</p> <p>(b) All Other Design Costs.....( <u>0</u> )</p> <p>(c) Total.....( <u>266</u> )</p> <p>(d) Contract.....( <u>266</u> )</p> <p>(e) In-House.....( <u>0</u> )</p> <p>(4) CONSTRUCTION START..... <u>6/94</u></p> <p>b. Equipment associated with this project which will be provided from other federal appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Equipment <u>Nomenclature</u></th> <th style="text-align: left;">Procuring <u>Appropriation</u></th> <th style="text-align: left;">Fiscal Year Appropriated <u>or Requested</u></th> <th style="text-align: left;">Cost <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Remoted Target System (RETS)</td> <td>OPA</td> <td style="text-align: center;">94</td> <td style="text-align: right;">1,645</td> </tr> </tbody> </table>			Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost <u>(\$000)</u>	Remoted Target System (RETS)	OPA	94	1,645
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost <u>(\$000)</u>							
Remoted Target System (RETS)	OPA	94	1,645							

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 1993
3. INSTALLATION AND LOCATION MOBILE, ALABAMA					4. AREA CONSTR COST INDEX . 87
5. FREQUENCY AND TYPE UTILIZATION  NORMAL ADMINISTRATION 5 DAYS PER WEEK WITH MULTIPLE 2-DAY TRAINING ASSEMBLIES PER MONTH.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG:	MOBILE	( 1 MILES)	ARMORY	31,500 SF	1974
ARNG:	MOBILE	( 1 MILES)	ARMORY	27,800 SF	1937
ARNG:	MOBILE	( 7 MILES)	ARMORY	11,725 SF	1957
ARNG:	MOBILE	( 9 MILES)	ARMORY	11,725 SF	1958
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
214	ORGANIZATIONAL MAINTENACE SHOP (OMS) ADDITION	8,286 SF	\$502	09/90	05/91
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.					07 OCT 92 (Date)
9. LAND ACQUISITION REQUIRED NONE					0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS NONE					
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"					



1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 20 SEP 92		
3. INSTALLATION AND LOCATION MOBILE, ALABAMA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	27			27	1539	187	1352
ACTUAL	21			21	1573	180	1393
12. RESERVE UNIT DATA							
				STRENGTH			
UNIT DESIGNATION				AUTHORIZED	ACTUAL		
226TH AREA SUPPORT GROUP				143	136		
UIC WTAQAA							
TPSN 31116							
HHD 161ST MEDICAL BATTALION				39	46		
UIC WP9BAA							
TPSN 32708							
129TH MEDICAL COMPANY				127	135		
UIC WP96AA							
TSPN 32752							
1127TH MEDICAL COMPANY				13	14		
UIC WTWJAA							
TSPN 37782							
CONTINUED ON PAGE 3							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ACTUAL		
VEHICLES				393	393		
TRAILERS				107	107		
TOTAL VEHICLES				500	500		
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
				(\$000)			
A. AIR POLLUTION				NONE			
B. WATER POLLUTION				NONE			
C. OCCUPATIONAL SAFETY AND HEALTH				NONE			

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1993
3. INSTALLATION AND LOCATION MOBILE, ALABAMA			
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION		5. PROJECT NUMBER 010068	
12. RESERVE UNIT DATA (CONTINUED)			
<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>	
		<u>AUTHORIZED</u>	<u>ACTUAL</u>
COMPANY B, 1/20TH SPECIAL FORCES UIC: WTPCB0 TSPN: 25320		60	70
DET 1 1151ST ENGINEER DET UIC: WVGEA1 TSPN: 31600		24	33
640TH ORDNANCE COMPANY UIC WVRVAA TSPN 33903		152	152
DETACHMENT 1 540TH ORDNANCE UIC WVRVA1 TSPN 33903		69	69
HHC 711TH SIGNAL BATTALION UIC WQF110 TSPN 35024		143	143
COMPANY A 711TH SIGNAL COMPANY UIC WQF1A0 TSPN 35204		162	162
COMPANY B 711TH SIGNAL COMPANY UIC WQF1B0 TSPN 35204		101	108
DETACHMENT 1 COMPANY B 711TH UIC WQF1B1 TSPN 35204		61	67
COMPANY C 711TH SIGNAL COMPANY UIC WQF1C0 TSPN 35204		100	107
859TH SIGNAL COMPANY UIC WVROAA TSPN 35933		166	144
1133RD MEDICAL COMPANY UIC WVGEAA TSPN 32752		117	125
445TH AVIATION DETACHMENT UIC WZEKAA TSPN 30644		31	31

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE MAR 1993
3. INSTALLATION AND LOCATION MOBILE, ALABAMA				
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION			5. PROJECT NUMBER 010068	
12. RESERVE UNIT DATA (CONTINUED)			STRENGTH	
<u>UNIT DESIGNATION</u>			<u>AUTHORIZED</u>	<u>ACTUAL</u>
446TH AVIATION DETACHMENT			<u>31</u>	<u>31</u>
UIC WZELAA				
TSPN 30644				
TOTAL			1539	1573

1. COMPONENT <b>ARNG</b>		<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE <b>3/3</b>	
3. INSTALLATION AND LOCATION <b>MOBILE, ALABAMA</b>			4. PROJECT TITLE <b>ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION</b>		
5. PROGRAM ELEMENT <b>Q505896A</b>	6. CATEGORY CODE <b>214</b>	7. PROJECT NUMBER <b>010068</b>	8. PROJECT COST (\$000) <b>502</b>		
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....					
OMS ADDITION.....	SF	5,066	50.00	( 327)	
OMS ALTERATION.....	SF	1,220	20.00	( 24)	
UNHEATED COVERED STORAGE.....	SF	2,000	25.00	( 50)	
SUPPORTING FACILITIES.....					
SITE PREPARATION.....	LS	-	-	( 10)	
GRADING & DRAINAGE.....	LS	-	-	( 6)	
RELOCATION OF LUBE RACK.....	LS	-	-	( 6)	
PAVING: FLEXIBLE.....	SY	1,656	11.00	( 18)	
PAVING: RIGID.....	SY	378	20.00	( 8)	
FUEL STORAGE AND DISPENSING SYSTEM.....	LS	-	-	( 75)	
UTILITIES.....	LS	-	-	( 20)	
SUBTOTAL.....				470	
CONTINGENCY (5%).....				24	
SUPERVISION, INSP & OVERHEAD (1.60%).....				8	
TOTAL REQUEST.....				502	
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				( 7)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
This proposed construction is an addition to the existing Organizational Maintenance Shops Number 28 and 29. This project involves the construction of additional workbays, covered storage, tool room, Commo/Electronics repair section, and added supply areas. The addition will be of masonry type construction with a built-up roof and concrete foundation and flooring.					
<u>Air conditioning: 2 tons</u>					
11. REQUIREMENT: 17,336 SF ADEQUATE: 9,050 SF SUBSTANDARD: 8,286 SF					
PROJECT: An addition is requested for this OMS to perform organizational level maintenance on supported units Modified Table of Equipment (MTOE). (Current Mission)					
REQUIREMENT: An addition is requested to allow the performance of organizational level maintenance on supported units MTOE equipment.					
CURRENT SITUATION: The existing maintenance shops were constructed in 1978 and contain 9,050 SF of covered area. The existing shops have four workbays, office space, male latrine, supply, and break areas. These OMSs have a shortage of space for OMSs supporting these types and amounts of equipment. The most severe deficiencies exist in work areas, tool storage, Comm/Elect repair and female latrine.					
IMPACT IF NOT PROVIDED Continued use of these inadequate facilities will have an adverse effect upon the performance of organizational level maintenance on supported unit's MTOE equipment. The shortage of space interferes with attainment of State and Federal maintenance objectives and the utilization of work hours at the shop. In addition, the lack of both a tool room and Comm/Elec repair area causes a problem in the security of government property.					

1. COMPONENT ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE 11/1/93																
3. INSTALLATION AND LOCATION MOBILE, ALABAMA																		
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP (OMS) ADDITION		5. PROJECT NUMBER 010068																
<p>12. SUPPLEMENTAL DATA:</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... 9/90</p> <p>(b) Percent complete as of 1 January 93..... 100%</p> <p>(c) Date Design Expected to be 35% Complete.. 3/91</p> <p>(d) Date Design Completed..... 5/91</p> <p>(2) BASIS:</p> <p>(a) Standard or Definitive Design - Yes ___ No <u>X</u></p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)</p> <p>(a) Production of Plans and Specifications... (<u>0</u>)</p> <p>(b) All Other Design Costs..... (<u>0</u>)</p> <p>(c) Total..... (<u>24</u>)</p> <p>(d) Contract..... (<u>24</u>)</p> <p>(e) In-House..... (<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>10/93</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Equipment <u>Nomenclature</u></th> <th style="text-align: left;">Procuring <u>Appropriation</u></th> <th style="text-align: left;">Fiscal Year <u>Appropriated or Requested</u></th> <th style="text-align: left;">Cost ( \$000)</th> </tr> </thead> <tbody> <tr> <td>JSIIDS</td> <td>AMSCO 5212.000</td> <td>FY 94</td> <td>2</td> </tr> <tr> <td>Telephone Equip</td> <td>AMSCO 529895.10</td> <td>FY 94</td> <td>2</td> </tr> <tr> <td>Furnishings</td> <td>AMSCO 519891.30</td> <td>FY 94</td> <td>3</td> </tr> </tbody> </table>			Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated or Requested</u>	Cost ( \$000)	JSIIDS	AMSCO 5212.000	FY 94	2	Telephone Equip	AMSCO 529895.10	FY 94	2	Furnishings	AMSCO 519891.30	FY 94	3
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated or Requested</u>	Cost ( \$000)															
JSIIDS	AMSCO 5212.000	FY 94	2															
Telephone Equip	AMSCO 529895.10	FY 94	2															
Furnishings	AMSCO 519891.30	FY 94	3															

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE ... 833
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), AR			4. AREA CONSTR COST INDEX 83.6
5. FREQUENCY AND TYPE UTILIZATION  FACILITY IS USED FOR TRAINING A MINIMUM OF 48 WEEKS PER YEAR IN SUPPORT OF AR ARNG UNITS, THE PROFESSIONAL EDUCATION CENTER AND THE 11B BATTLE SKILLS COURSE. ADDITIONAL ACTIVITIES ARE ACCOMMODATED ON A SPACE AVAILABLE BASIS.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS			
ARNG:	CAMP ROBINSON (1.0 MILES)	BN TRP COMPLEX	102848 SF 1979
	CAMP ROBINSON (3.0 MILES)	AVN ARMORY	29210 SF 1978
	CAMP ROBINSON (0.5 MILES)	PHILLIPS ARMORY	19967 SF 1974
USAR:	N. LITTLE ROCK(0.5 MILES)	RESERVE/NAV CTR	128206 SF 1979
ARNG:	N. LITTLE ROCK(5.0 MILES)	FISHER ARMORY	24960 SF 1959
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
171	TRAINING SITE UTILITIES RENOVATION	LS	\$1,275
			DESIGN STATUS START COMPLETE 01/90 06/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			22 OCT 92
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.			(Date)
9. LAND ACQUISITION REQUIRED NONE			0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
PROJECT	FY	COST (\$000)	
MOUT COMPLEX	96	1,400	
ARMORY 100 PERSON	96	2,580	
AASF	97	6,363	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"			

1 COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2 DATE 1994	
3 INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK), ARKANSAS							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	9475	1010	8465
ACTUAL	_____	_____	_____	_____	9323	991	8332
12. RESERVE UNIT DATA							
					STRENGTH		
UNIT DESIGNATION					AUTHORIZED	ACTUAL	
ALL ARKANSAS ARMY NATIONAL GUARD UNITS					9475	9323	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED	ACTUAL	
N/A					N/A	N/A	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
( \$000 )							
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		



1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1-33	
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS			4. PROJECT TITLE TRAINING SITE UTILITIES RENOVATION		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 050074		8. PROJECT COST (\$000) 1,275
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					532
NATURAL GAS SYSTEM RENOVATION.....					( 417)
DIST MAINS & SERVICE LINES.....		LS	-	-	( 60)
ROAD BORES & REFURBISHING.....		LS	-	-	( 6)
PAVEMENT REPAIRS.....		SY	330	23.50	( 40)
NEW REGULATORS & VALVES.....		LS			( 9)
MOVE METERING STATION.....		EA	1	9360.00	665
PRIMARY ELECTRICAL SYSTEM UPGRADE.....		LS			( 502)
LOOPS.....		LS	-	-	( 112)
RADIALS.....		LS	-	-	( 51)
DEMOLITION.....		LS	-	-	1,197
SUBTOTAL.....					60
CONTINGENCY (5%).....					18
SUPERVISION, INSP & OVERHEAD (1.42%).....					1,275
TOTAL REQUEST.....					( 0)
EQUIP PROVIDED FROM OTHER APPR .....NON ADD					
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Specially designed project to upgrade the existing primary electrical and natural gas distribution systems. Proposed renovations are intended provide for a safe, modern, dependable utility systems. Improvement will include all necessary safety devices to assure maximum safety.					
<u>Air Conditioning:</u> NONE					
11. REQUIREMENT: N/A ADEQUATE: N/A SUBSTANDARD: N/A					
<u>PROJECT:</u> To provide an adequate gas and electrical utility system. Consists of the installation of new gas main lines, service lines and meters. The electrical renovations consist of the conversion of the antiquated 4,160 volt to a 13,800 volt distribution system with related protective devices. (Current Mission)					
<u>REQUIREMENT:</u> The gas and electrical renovations will replace the present undersized, unsafe and costly systems. Estimates currently indicate that as much as \$160,000 per year in gas is lost due to the leakage.					
<u>CURRENT SITUATION:</u> The present facilities were constructed late 1930's and early 1940's. Due to the age of the systems, leakage is occurring. The electrical system has been outgrown and the requirements have been expanded to the maximum. Recent requirements have necessitated the conversion to a 13,800 volt distribution system.					
<u>IMPACT IF NOT PROVIDED:</u> The monetary loss due to gas system leakage will continue to increase and the possibility of explosion and/or fire is ever present. The danger to personnel due to inadequate safety devices on the electrical system presents another opportunity for disaster.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11 MAR 94
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS		
4. PROJECT TITLE TRAINING SITE UTILITIES RENOVATION		5. PROJECT NUMBER 050074
12. SUPPLEMENTAL DATA:		
a. ESTIMATED DESIGN DATA:		
(1) STATUS:		
(a) Date Design Started..... <u>1/90</u>		
(b) Percent complete as of 1 January 93..... <u>65%</u>		
(c) Date Design Expected to be 35% Complete.. <u>1/92</u>		
(d) Date Design Completed..... <u>6/93</u>		
(2) BASIS:		
(a) Standard or Definitive Design - Yes <u>    </u> No <u>X</u>		
(b) Where was Design Previously Used? <u>N/A</u>		
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)		
(a) Production of Plans and Specifications... ( <u>0</u> )		
(b) All Other Design Costs..... ( <u>0</u> )		
(c) Total..... ( <u>55</u> )		
(d) Contract..... ( <u>55</u> )		
(e) In-House..... ( <u>0</u> )		
(4) CONSTRUCTION START..... <u>3/94</u>		
b. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested
		Cost (\$000)
NONE		

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 10/93
3. INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK) ARKANSAS				4. AREA CONSTR COST INDEX 83.6
5. FREQUENCY AND TYPE UTILIZATION  NORMAL ADMINISTRATION FIVE DAYS PER WEEK WITH FOUR (4) TWO DAY TRAINING ASSEMBLIES PER MONTH.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARNG: CAMP ROBINSON	(1.0 MILES)	BN TRP COMPLEX	102848 SF	1979
NGPEC	(3.0 MILES)	SCHOOL COMPLEX	216834 SF	1977
CAMP ROBINSON	(0.5 MILES)	PHILLIPS ARMORY	19967 SF	1974
N. LITTLE ROCK	(5.0 MILES)	FISHER ARMORY	24960 SF	1959
USAR: N. LITTLE ROCK	(0.5 MILES)	RESERVE CENTER	128026 SF	1979
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE
171	ARMORY	74,649 SF	3,205	8/90      6/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				22 OCT 92 (Date)
9. LAND ACQUISITION REQUIRED				
NONE				0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT	FY	(\$000)		
MOUT-CTF RANGE (CAMP ROBINSON)	96	2,580		
AASF/AVN (CAMP ROBINSON)	97	6,363		
ARMORY (SEARCY)	97	1,752		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"				

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE MAY 78		
3. INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK) ARKANSAS							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	30	8	22		652	174	478
ACTUAL	27	7	20		625	168	457
12. RESERVE UNIT DATA						STRENGTH	
UNIT DESIGNATION					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
INSTALLATION SUPPORT UNIT					203	191	
UIC W7VJAA							
TSPN 46755							
DET 1 STARC (TROOP COMMAND)					138	123	
UIC W8AXA1							
TSPN 56751							
DET 1 109TH COMBAT SURGICAL HOSPITAL					180	180	
UIC WP9JAO							
TSPN 32742							
5-206 FA FIRE SPT SECT					131	131	
UIC WQNZTO							
TSPN 13039							
TOTAL					652	625	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
WHEELED VEHICLES					105	105	
TRAILERS					33	33	
TRACKED VEHICLES AND EQUIPMENT OVER 30 FT LONG					31	31	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					( \$000 )		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1. COMPONENT ARNG		2. DATE .. 88		
FY 1994 MILITARY CONSTRUCTION PROJECT DATA				
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS			4. PROJECT TITLE ARMORY	
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 050022	8. PROJECT COST (\$000) 3,205	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....				3,528
ARMORY BUILDING.....	SF	74,264	47.34	(3,516)
FLAMMABLE MATERIAL BUILDING.....	SF	385	30.00	( 12)
SUPPORTING FACILITIES.....				506
SITE PREPARATION (100% STATE).....	AC	7	3000.00	( 21)
GRADING, SEEDING & PLANTING.....	LS	-	-	( 26)
PARKING: MILITARY, OFF STREET AND ACCESS.....	SY	24,138	12.40	( 299)
RIGID CONCRETE/WASH PLATFORM.....	LS	-	-	( 60)
FLAGPOLE/SIDEWALKS/FENCING.....	LS	-	-	( 25)
UTILITIES: WATER/SEWER/GAS/ELEC.....	LS	-	-	( 75)
SUBTOTAL.....				4,034
CONTINGENCY (5%).....				202
SUPERVISION, INSP & OVERHEAD (1.37%).....				58
FEDERAL SHARE.....				3,205
STATE SHARE.....NON ADD				(1,089)
TOTAL REQUEST.....				3,205
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				( 64)
10. DESCRIPTION OF PROPOSED CONSTRUCTION A specially designed one story armory of permanent masonry type construction with built-up roof and concrete floors. Project to include mechanical and electrical systems, grading, seeding, fencing and military/civilian parking areas. <u>Air Conditioning: 81 tons</u>				
11. REQUIREMENT: 74,649 SF ADEQUATE: 0 SF SUBSTANDARD: 26,436 SF <u>PROJECT:</u> A new facility is requested to serve the peacetime mission of these units. The facility will provide an adequate area that will enhance the training and administration for all personnel of the units assigned. Peacetime unit readiness objectives will be accomplished and sustained by providing the units with adequate facilities located at Camp Robinson which also has the training land/areas available for their use. (New Mission) <u>REQUIREMENT:</u> This facility is required to support the following units of the AR ARNG: Installation Support Unit, 148th Evacuation Hospital and the 119th Personnel Services Company. These units are presently utilizing their existing facilities to the maximum extent possible due to recent reorganization and/or new organization of all three units. <u>CURRENT SITUATION:</u> At the present time the Installation Support Unit is located in a State owned facility that was constructed in 1940. The existing building currently being utilized will be returned to the State after the new facility has been occupied. The 148th Evacuation Hospital and the 119th Personnel Services Company are presently located in an inadequate commercial lease facility, which does not enhance the overall training, administration, supply/storage and, combat readiness that is required of them.				

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE A 503
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS			
4. PROJECT TITLE ARMORY		5. PROJECT NUMBER 050022	
11. REQUIREMENT (CONTINUED)  <u>IMPACT IF NOT PROVIDED</u> Assigned units are required to use substandard facilities that do not provide the units with an atmosphere conducive to military operations. The sustandard facilites will continue to have an adverse affect on the readiness postures to include the retention and recruiting of members for the units.			

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 11/1/93												
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS														
4. PROJECT TITLE ARMORY	5. PROJECT NUMBER 050022													
12. SUPPLEMENTAL DATA														
<p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... <u>8/90</u></p> <p>(b) Percent complete as of 1 January 1993..... <u>90%</u></p> <p>(c) Date Design Expected to be 35% Complete..... <u>12/91</u></p> <p>(d) Date Design Completed..... <u>6/93</u></p> <p>(2) BASIS:</p> <p>(a) Standard of definitive Design - Yes <u>    </u> No <u>X</u></p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)</p> <p>(a) Production of Plans and Specifications..... (<u>0</u>)</p> <p>(b) All other design costs..... (<u>0</u>)</p> <p>(c) Total..... (<u>132</u>)</p> <p>(d) Contract..... (<u>132</u>)</p> <p>(e) In-House..... (<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>10/93</u></p> <p>b. Equipment associated with this project which will be provided from other appropriation:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u> <u>Nomenclature</u></th> <th style="text-align: left;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u></th> <th style="text-align: left;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Kitchen Equip</td> <td>AMSCO 522811.00</td> <td>94</td> <td>52</td> </tr> <tr> <td>J-SIIDS</td> <td>AMSCO 5212.000</td> <td>94</td> <td>12</td> </tr> </tbody> </table>			<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Kitchen Equip	AMSCO 522811.00	94	52	J-SIIDS	AMSCO 5212.000	94	12
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>											
Kitchen Equip	AMSCO 522811.00	94	52											
J-SIIDS	AMSCO 5212.000	94	12											



1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK), ARKANSAS			4. AREA CONSTR COST INDEX 83.6	
5. FREQUENCY AND TYPE UTILIZATION  UTILIZED 365 DAYS PER YEAR BY ALL CAMP ROBINSON TENANTS, 11B NGB BATTLESKILLS, NGB PROFESSIONAL EDUCATION CENTER, STATE OCS & NCO MILITARY ACADEMIES, AR ARNG UNITS CONDUCTING ANNUAL TRAINING AND INACTIVE DUTY TRAINING.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARNG: CAMP ROBINSON (1.0 MILES)		BN TRP COMPLEX	102848 SF	1979
CAMP ROBINSON (3.0 MILES)		AVN ARMORY	29210 SF	1978
CAMP ROBINSON (0.5 MILES)		PHILLIPS ARMORY	19967 SF	1974
USAR: N. LITTLE ROCK(0.5 MILES)		RESERVE/NAV CTR	128206 SF	1979
ARNG: N. LITTLE ROCK(5.0 MILES)		FISHER ARMORY	24960 SF	1959
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE
171	SANITARY SEWER IMPROVEMENT	LS	\$4,223	09/92 06/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE			22 OCT 92 (Date)	
STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.				
9. LAND ACQUISITION REQUIRED			0	
NONE			(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT	FY	COST (\$000)		
HOUT COMPLEX	96	1,400		
ARMORY	96	2,580		
AASF	97	6,363		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"				

1. COMPONENT  ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  1993
3. INSTALLATION AND LOCATION  CAMP ROBINSON (N. LITTLE ROCK), ARKANSAS		
11. PERSONNEL STRENGTH AS OF 30 SEP 92		
	PERMANENT <u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	GUARD/RESERVE <u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZE	_____	9475   1047   8428
ACTUAL	_____	9233   1031   8202
12. RESERVE UNIT DATA		
UNIT DESIGNATION	STRENGTH	
	<u>AUTHORIZED</u> <u>ACTUAL</u>	
ALL ARKANSAS ARMY NATIONAL GUARD UNITS	9,475	9,233
13. MAJOR EQUIPMENT AND AIRCRAFT		
TYPE	AUTHORIZED	ACTUAL
N/A	N/A	N/A
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
A. AIR POLLUTION	NONE	
B. WATER POLLUTION	4,424	
C. OCCUPATIONAL SAFETY AND HEALTH	NONE	

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE ...	
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS			4. PROJECT TITLE SANITARY SEWER IMPROVEMENT		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171		7. PROJECT NUMBER 050105	
				8. PROJECT COST (\$000) 4,223	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					3,858
COLLECTION SYSTEM IMPROVEMENTS.....		LS	-	-	(2,776)
TREATMENT PLANT IMPROVEMENTS.....		LS	-	-	(311)
STORM WATER IMPROVEMENTS.....		LS	-	-	(529)
CONTROLS & INSTRUMENTATION.....		LS	-	-	(242)
SUPPORTING FACILITIES.....					110
SITE IMPROVEMENTS.....		LS	-	-	(80)
DEMOLITION.....		LS	-	-	(30)
SUBTOTAL.....					3,968
CONTINGENCY (5%).....					198
SUPERVISION, INSP & OVERHEAD (1.37%).....					57
TOTAL REQUEST.....					4,223
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD					(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>The renovation/installation of the existing sanitary sewer collection system with a specially designed system (slip-lining) to reduce the amount of inflow and infiltration from surface/subsurface water into the system. Repair and replacement of existing manholes.</p> <p><u>Air Conditioning:</u> NONE</p> <p>11. REQUIREMENT: 1 ADEQUATE: 0 EACH SUBSTANDARD: 73,223 LF</p> <p><u>PROJECT:</u> To provide an adequate sanitary sewer collection system for the collection and treatment of wastewater at Camp Robinson. (Current Mission)</p> <p><u>REQUIREMENT:</u> The existing wastewater treatment plant is required to be in compliance with federal and state laws. Renovation of the collection system is required to conform to the 1972 Water Pollution Control Act (P.L. 92-500, 33 U.S.C. et seq).</p> <p><u>CURRENT SITUATION:</u> The existing collection system built in 1940's has a high volume of infiltration and inflow of rainwater. This develops uncontrollable flow rates in the wastewater treatment plant that is not able to comply with the permit criteria. The state has directed the ARNG to correct this situation and the ARNG has received numerous non-compliance letters.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not funded, a Notice of Violation (NOV) will be issued to the AR ARNG and possibly shut down the Wastewater Treatment Plant. Numerous activities are conducted on a full time basis that would be detrimental to training and degrade readiness. The AR ARNG is under a Consent Administrative Order to bring the Wastewater Treatment Plant Facility and Collection System into compliance.</p>					

1. COMPONENT ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE 001								
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK), ARKANSAS										
4. PROJECT TITLE SANITARY SEWER IMPROVEMENT	5. PROJECT NUMBER 050105									
<p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. ESTIMATED DESIGN DATA:</p> <p style="margin-left: 80px;">(1) STATUS:</p> <p style="margin-left: 120px;">(a) Date Design Started..... <u>9/92</u></p> <p style="margin-left: 120px;">(b) Percent complete as of 1 January 93..... <u>35%</u></p> <p style="margin-left: 120px;">(c) Date Design Expected to be 35% Complete.. <u>12/92</u></p> <p style="margin-left: 120px;">(d) Date Design Completed..... <u>6/93</u></p> <p style="margin-left: 80px;">(2) BASIS:</p> <p style="margin-left: 120px;">(a) Standard or Definitive Design - Yes <u>    </u> No <u>X</u></p> <p style="margin-left: 120px;">(b) Where was Design Previously Used? <u>N/A</u></p> <p style="margin-left: 80px;">(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)</p> <p style="margin-left: 120px;">(a) Production of Plans and Specifications... <u>( 0 )</u></p> <p style="margin-left: 120px;">(b) All Other Design Costs..... <u>( 0 )</u></p> <p style="margin-left: 120px;">(c) Total..... <u>( 59 )</u></p> <p style="margin-left: 120px;">(d) Contract..... <u>( 59 )</u></p> <p style="margin-left: 120px;">(e) In-House..... <u>( 0 )</u></p> <p style="margin-left: 80px;">(4) CONSTRUCTION START..... <u>3/94</u></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 80px;"> <thead> <tr> <th style="text-align: left;">Equipment <u>Nomenclature</u></th> <th style="text-align: left;">Procuring <u>Appropriation</u></th> <th style="text-align: left;">Fiscal Year Appropriated <u>or Requested</u></th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center; padding-top: 20px;">NONE</td> </tr> </tbody> </table>			Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost (\$000)	NONE			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost (\$000)							
NONE										

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE F. R. 1993
3. INSTALLATION AND LOCATION CAMP ROBINSON (N. LITTLE ROCK), ARKANSAS			4. AREA CONSTR COST INDEX 83.6
5. FREQUENCY AND TYPE UTILIZATION  UTILIZED 48 IDT WEEKENDS ANNUALLY AND BY ALL AR ARNG UNITS CONDUCTING ANNUAL TRAINING AND INACTIVE DUTY TRAINING. ALSO UTILIZED BY 11B NGB BATTLE SKILLS COURSE, STATE OCS AND NCO MILITARY ACADEMIES. FACILITY IS UTILIZED FOR WEAPONS QUALIFICATION AS REQUIRED BY DA PAM 350-38.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS			
ARNG:	CP ROBINSON (1.0 MILES)	BN TRP COMPLEX	102848 SF 1979
	CP ROBINSON (3.0 MILES)	AVN ARMORY	29210 SF 1978
	CP ROBINSON (0.5 MILES)	PHILLIPS ARMORY	19967 SF 1974
USAR:	N. LITTLE ROCK(0.5 MILES)	RESERVE/NAV CTR	128206 SF 1979
ARNG:	N. LITTLE ROCK(5.0 MILES)	FISHER ARMORY	24960 SF 1959
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
179	MODIFIED RECORD	16 LANES	907
	FIRE RANGE (RETS)		
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			22 OCT 92
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE			(Date)
STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE			
JOINT USE/EXPANSION. THE BOARD RECOMMENDS UNILATERAL CONSTRUCTION.			
9. LAND ACQUISITION REQUIRED			0
			(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
PROJECT	FY	COST (\$000)	
MOUT COMPLEX	96	2,683	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".			

1. COMPONENT  ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  																							
3. INSTALLATION AND LOCATION <b>CAMP ROBINSON(NORTH LITTLE ROCK), ARKANSAS</b>																									
11. PERSONNEL STRENGTH AS OF <b>30 SEP 92</b>																									
	<table border="0" style="width: 100%;"> <tr> <th style="width: 15%;"></th> <th style="width: 15%;">TOTAL</th> <th style="width: 15%;">OFFICER</th> <th style="width: 15%;">PERMANENT ENLISTED</th> <th style="width: 15%;">CIVILIAN</th> <th style="width: 15%;">TOTAL</th> <th style="width: 15%;">OFFICER</th> <th style="width: 15%;">GUARD/RESERVE ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td style="text-align: right;"><u>9475</u></td> <td style="text-align: right;"><u>1047</u></td> <td style="text-align: right;"><u>8428</u></td> </tr> <tr> <td>ACTUAL</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td style="text-align: right;"><u>9233</u></td> <td style="text-align: right;"><u>1031</u></td> <td style="text-align: right;"><u>8202</u></td> </tr> </table>		TOTAL	OFFICER	PERMANENT ENLISTED	CIVILIAN	TOTAL	OFFICER	GUARD/RESERVE ENLISTED	AUTHORIZE	_____	_____	_____	_____	<u>9475</u>	<u>1047</u>	<u>8428</u>	ACTUAL	_____	_____	_____	_____	<u>9233</u>	<u>1031</u>	<u>8202</u>
	TOTAL	OFFICER	PERMANENT ENLISTED	CIVILIAN	TOTAL	OFFICER	GUARD/RESERVE ENLISTED																		
AUTHORIZE	_____	_____	_____	_____	<u>9475</u>	<u>1047</u>	<u>8428</u>																		
ACTUAL	_____	_____	_____	_____	<u>9233</u>	<u>1031</u>	<u>8202</u>																		
12. RESERVE UNIT DATA																									
UNIT DESIGNATION	STRENGTH																								
ALL ARKANSAS ARMY NATIONAL GUARD	<table border="0" style="width: 100%;"> <tr> <th style="width: 50%;">AUTHORIZED</th> <th style="width: 50%;">ACTUAL</th> </tr> <tr> <td style="text-align: right;">9,475</td> <td style="text-align: right;">9,233</td> </tr> </table>	AUTHORIZED	ACTUAL	9,475	9,233																				
AUTHORIZED	ACTUAL																								
9,475	9,233																								
13. MAJOR EQUIPMENT AND AIRCRAFT																									
TYPE	AUTHORIZED	ACTUAL																							
N/A																									
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																									
	(\$000)																								
A. AIR POLLUTION	NONE																								
B. WATER POLLUTION	NONE																								
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																								

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK) ARKANSAS			4. PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS)		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 050055	8. PROJECT COST (\$000) 907		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....	LS	-	-	671	
SIXTEEN LANE RANGE.....	SF	121	300.00	( 635)	
CONTROL TOWER.....	SF	121	300.00	( 36)	
SUPPORTING FACILITIES.....				180	
PAVING.....	SY	1550	10.00	( 15)	
TARGET STORAGE, REPAIR AND AMMO.....	SF	920	55.00	( 51)	
LATRINE (MALE AND FEMALE).....	SF	200	65.00	( 13)	
MESS SHELTER.....	SF	800	45.00	( 36)	
BLEACHER ENCLOSURE.....	SF	544	50.00	( 27)	
RANGE LIGHTING, FLAGPOLE.....	LS	-	-	( 18)	
UTILITIES (ELECTRICAL AND WATER).....	LS	-	-	( 20)	
SUBTOTAL.....				851	
CONTINGENCY (5%).....				43	
SUPERVISION, INSP & OVERHEAD (1.47%).....				13	
TOTAL REQUEST.....				907	
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				( 367)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>The construction of a 16 lane Modified Record Fire Range. Supporting facilities will include control tower, bleacher enclosure, target storage and repair building, ammunition breakdown point, latrine, mess shelter, flag pole, range lighting, and other utilities as required.</p> <p><u>Air Conditioning:</u> 1 ton for control tower</p> <p>11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A</p> <p>PROJECT: This project will provide Modified Record Fire Range for M16 Rifle markmanship training and qualification for all soldiers of the AR ARNG, NGB Battle Skills Course, State OCS and NCO Academies and other reserve personnel utilizing Camp Robinson. (Current Mission)</p> <p>REQUIREMENT: This range will enable all units/schools to qualify, annually their personnel in accordance with DA Pam 350-38, Standards in Weapons Training.</p> <p>CURRENT SITUATION: At the present time Camp Robinson has two Automated Record Fire Ranges. These ranges are not sufficient to qualify the number of personnel that will be required to conduct this training on an inactive duty for training (IDT) weekend. Units must complete their weapons qualification on one IDT weekend due to the cost of travel and training time expended to conduct the required training.</p> <p>IMPACT IF NOT PROVIDED: Units will be hampered in attaining required weapons qualification standards. Training time utilized for other requirements will be lost due to units having to return to Camp Robinson to complete weapons qualification. Funds programmed for other training requirements may have to be used for the return trip to Camp Robinson.</p>					



1. COMPONENT  ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE  .. 1993
3. INSTALLATION AND LOCATION CAMP ROBINSON (NORTH LITTLE ROCK) ARKANSAS		
4. PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS)	5. PROJECT NUMBER  050055	
12. SUPPLEMENTAL DATA		
a. ESTIMATED DESIGN DATA:		
(1) STATUS: (a) Date Design Started..... <u>8/90</u> (b) Percent complete as of 1 January 1993..... <u>100%</u> (c) Date Design Expected to be 35% Complete..... <u>3/91</u> (d) Date Design Completed..... <u>10/91</u>		
(2) BASIS: (a) Standard of definitive Design - Yes <u>X</u> No <u>   </u> (b) Where was Design Previously Used? <u>HNDM 1110-1-5</u>		
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000) (a) Production of Plans and Specifications..... ( <u>0</u> ) (b) All other design costs..... ( <u>0</u> ) (c) Total..... ( <u>40</u> ) (d) Contract..... ( <u>40</u> ) (e) In-House..... ( <u>0</u> )		
(4) CONSTRUCTION START..... <u>6/94</u>		
b. Equipment associated with this project which will be provided from other federal appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>or Requested</u>
Remoted Control Target System (RETS)	OPA	94      367



1. COMPONENT  ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  1993																								
3. INSTALLATION AND LOCATION  GOWEN FIELD, BOISE, IDAHO																										
11. PERSONNEL STRENGTH AS OF 30 SEP 92																										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;"></th> <th style="width: 10%;">TOTAL</th> <th style="width: 10%;">PERMANENT OFFICER</th> <th style="width: 10%;">ENLISTED</th> <th style="width: 10%;">CIVILIAN</th> <th style="width: 10%;">TOTAL</th> <th style="width: 10%;">GUARD/RESERVE OFFICER</th> <th style="width: 10%;">ENLISTED</th> </tr> <tr> <td>AUTHORIZED</td> <td style="text-align: center;">108</td> <td style="text-align: center;">5</td> <td style="text-align: center;">103</td> <td style="text-align: center;">—</td> <td style="text-align: center;">117</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>ACTUAL</td> <td style="text-align: center;">107</td> <td style="text-align: center;">4</td> <td style="text-align: center;">103</td> <td style="text-align: center;">—</td> <td style="text-align: center;">116</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> </table>		TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED	AUTHORIZED	108	5	103	—	117	N/A	N/A	ACTUAL	107	4	103	—	116	N/A	N/A	
	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED																			
AUTHORIZED	108	5	103	—	117	N/A	N/A																			
ACTUAL	107	4	103	—	116	N/A	N/A																			
12. RESERVE UNIT DATA																										
UNIT DESIGNATION	STRENGTH																									
	AUTHORIZED	ACTUAL																								
COMBAT VEHICLE TRANSITION TRAINING TEAM UIC: W7TQAA TSPN: 36576	117	116																								
13. MAJOR EQUIPMENT AND AIRCRAFT																										
TYPE	AUTHORIZED	ACTUAL																								
WHEELED VEHICLES	46	47																								
TRAILERS	5	13																								
TRACKED VEHICLES	62	46																								
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
A. AIR POLLUTION	NONE																									
B. WATER POLLUTION	NONE																									
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																									

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE }	
3. INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO			4. PROJECT TITLE COMBAT VEHICLE TRANSITION COMPLEX		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 160052	8. PROJECT COST (\$000) 5,044		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				4,410	
VEHICLE TRAINING BUILDING.....	SF	59843	73.50	(4,398)	
FLAMMABLE MATERIALS STORAGE BUILDING.....	SF	300	40.00	(12)	
SUPPORTING FACILITIES.....				329	
SITE PREPARATION, GRADING, SEEDING.....					
SIDEWALK/FENCING.....	LS	-	-	(16)	
FLEXIBLE PAVING.....	SY	5360	11.00	(59)	
MILITARY PARKING (HARDSTAND).....	SY	7200	8.00	(58)	
UTILITIES: ELEC. GAS, WATER, SEWER.....	LS	-	-	(11)	
RIGID PAVING.....	SF	32640	5.35	(175)	
STORAGE COMPOUND.....	LS	-	-	(10)	
SUBTOTAL.....				4,739	
CONTINGENCY (5%).....				237	
SUPERVISION, INSP & OVERHEAD (1.37%).....				68	
TOTAL REQUEST.....				5,044	
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD				(120)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Construction of a training facility with classrooms, staff and administrative offices, and supply rooms with arms vault. The facility will be a single-story construction, with concrete floors and foundation. The structure will be constructed to allow for future expansion. Project will include landscaping, roads and parking areas, and all utilities.</p> <p><u>Air Conditioning:</u> 52 tons</p> <p>11. REQUIREMENT: 60,143 SF    ADEQUATE: 0 SF    SUBSTANDARD: 0 SF</p> <p><u>PROJECT:</u> A 60,143 SF facility to support the training of tank crews and organizational mechanics in all Reserve Components. (New Mission)</p> <p><u>REQUIREMENT:</u> A professional Armor Training facility of 57,526 SF, to allow the Combat Vehicle Transition Training Team (CVT3) for Reserve Components to perform its assigned mission. The complex will provide a single facility, adequate to conduct required training on all types of Combat Vehicles.</p> <p><u>CURRENT SITUATION:</u> There is no existing facility to accommodate the CVT3 for the Reserve Components. Currently the teams are using inadequate facilities: tents, separate classroom, and admin/supply buildings which are shared with troop units performing weekend or two-week annual training. The additional impact of the CVT3 staff and students seriously overtaxes these existing facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Adverse working conditions and learning environment will continue to degrade the training of all Reserve Components tankers and organizational mechanics. An important mission, performed 345 days annually, will continue to suffer from substandard facilities. During winter months, training will continue to be conducted in tents, with chemical toilets for latrine facilities. The quality of instruction and the morale of the soldiers being trained will continue to be seriously impaired.</p>					

1. COMPONENT  ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  11/13																
3. INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO																		
4. PROJECT TITLE COMBAT VEHICLE TRANSITION COMPLEX	5. PROJECT NUMBER  160052																	
12. SUPPLEMENTAL DATA:																		
<p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... 3/91</p> <p>(b) Percent complete as of 1 January 93..... 95%</p> <p>(c) Date Design Expected to be 35% Complete.. 7/91</p> <p>(d) Date Design Completed..... 3/93</p> <p>(2) BASIS:</p> <p>(a) Standard or Definitive Design - Yes ___ No <u>X</u></p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)</p> <p>(a) Production of Plans and Specifications... (0)</p> <p>(b) All Other Design Costs..... (0)</p> <p>(c) Total..... (206)</p> <p>(d) Contract..... (206)</p> <p>(e) In-House..... (0)</p> <p>(4) CONSTRUCTION START..... 3/94</p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Equipment <u>Nomenclature</u></th> <th style="text-align: left;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u></th> <th style="text-align: left;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>JSIIDS</td> <td>AMSCO 5212.000</td> <td>94</td> <td>15</td> </tr> <tr> <td>Telecom</td> <td>AMSCO 519891.10</td> <td>94</td> <td>20</td> </tr> <tr> <td>Furniture</td> <td>AMSCO 519891.30</td> <td>94</td> <td>85</td> </tr> </tbody> </table>			Equipment <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>	JSIIDS	AMSCO 5212.000	94	15	Telecom	AMSCO 519891.10	94	20	Furniture	AMSCO 519891.30	94	85
Equipment <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>															
JSIIDS	AMSCO 5212.000	94	15															
Telecom	AMSCO 519891.10	94	20															
Furniture	AMSCO 519891.30	94	85															



1. COMPONENT  ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  .. 92													
3. INSTALLATION AND LOCATION  GOWEN FIELD, BOISE, IDAHO															
11. PERSONNEL STRENGTH AS OF 30 SEP 92															
	<table style="margin: auto;"> <tr> <th colspan="3">PERMANENT</th> <th rowspan="2">CIVILIAN</th> <th colspan="3">GUARD/RESERVE</th> </tr> <tr> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> </tr> </table>	PERMANENT			CIVILIAN	GUARD/RESERVE			TOTAL	OFFICER	ENLISTED	TOTAL	OFFICER	ENLISTED	
PERMANENT			CIVILIAN	GUARD/RESERVE											
TOTAL	OFFICER	ENLISTED		TOTAL	OFFICER	ENLISTED									
AUTHORIZE	<table style="margin: auto;"> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">87</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">5</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">4</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">78</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">3682</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">474</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">3208</td> </tr> </table>	87	5	4	78	3682	474	3208							
87	5	4	78	3682	474	3208									
ACTUAL	<table style="margin: auto;"> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">74</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">1</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">4</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">69</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">3572</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">470</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">3102</td> </tr> </table>	74	1	4	69	3572	470	3102							
74	1	4	69	3572	470	3102									
12. RESERVE UNIT DATA															
UNIT DESIGNATION	STRENGTH														
	AUTHORIZED	ACTUAL													
ALL IDAHO ARMY NATIONAL GUARD UNITS	3682	3572													
13. MAJOR EQUIPMENT AND AIRCRAFT															
TYPE	AUTHORIZED	ACTUAL													
NONE															
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES															
	(\$000)														
A. AIR POLLUTION	NONE														
B. WATER POLLUTION	NONE														
C. OCCUPATIONAL SAFETY AND HEALTH	NONE														



1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO			4. PROJECT TITLE USPFO ADMINISTRATION OFFICE AND WAREHOUSE ADDITION		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 610	7. PROJECT NUMBER 160022	8. PROJECT COST (\$000) 1,391		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					1,019
ADMINISTRATION.....		SF	11100	77.00	( 854)
WAREHOUSE.....		SF	4126	40.00	( 165)
SUPPORTING FACILITIES.....					288
SITE PREPARATION, GRADING, SEEDING.....		LS			( 22)
PAVEMENT FLEXIBLE.....		SY	2273	15.00	( 35)
PAVEMENT RIGID.....		SY	320	15.00	( 5)
FENCING.....		LF	230	14.00	( 3)
LOADING DOCK & DEMOLITION.....		LS	-	-	( 20)
ASBESTOS REMOVAL SERVICES.....		LS	-	-	( 60)
SIDEWALKS.....		SF	1362	2.00	( 3)
AUTOMATIC FIRE SPRINKLING SYSTEM.....		LS	-	-	( 100)
UTILITIES: WATER/GAS/SEWER & ELEC.....		LS			( 40)
SUBTOTAL.....					1,307
CONTINGENCY (5%).....					65
SUPERVISION, INSP & OVERHEAD (1.42%).....					19
TOTAL REQUEST.....					1,391
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD					( 234)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>This project is a specially designed facility of permanent concrete, concrete block, and brick with a composition roof and concrete floors. The facility is equipped with mechanical and electrical equipment. Support facilities include: a loading dock with canopy, access roads, a service apron for the loading dock, and sidewalks.</p> <p><u>Air Conditioning: 51 tons</u></p> <p>11. REQUIREMENT: 48,266 SF ADEQUATE: 33,040 SF SUBSTANDARD: 0 SF</p> <p><u>PROJECT:</u> An addition to the existing facility is requested to meet the expanded mission of the USPFO. (Current Mission)</p> <p><u>REQUIREMENT:</u> This request is for an additional 11,100 SF of administration office space and 4,126 SF of warehouse space. Existing office space is inadequate and permanent personnel are overcrowded in this space. Warehouse space is also insufficient due to the additional units supported by the USPFO of Idaho. The expanded facility would provide the operational and administrative area that is required to enable the personnel to attain and maintain the desired high degree of readiness in the event of mobilization, and to support the pre-mobilization training, supply and fiscal requirements of other units.</p> <p><u>CURRENT SITUATION:</u> The administration, fiscal, and supply functions are presently being performed in a structure built in 1964. The facility has had two additions: In 1973, 1,702 SF of administration area was added; and in 1983, 1,920 SF of ADP area was added. The present facilities and functions are severely overcrowded, limiting the USPFO's ability to perform its mission. There are no classrooms or conference rooms in the building. Consequently, when there is a need to conduct training, hold conferences with contractors, or for the directorate to hold confidential fiscal reviews, the department chief must use other facilities. This often creates conflicts with other activities on the installation.</p>					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 3
3. INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO		
4. PROJECT TITLE USPFO ADMINISTRATION OFFICE AND WAREHOUSE ADDITION	5. PROJECT NUMBER 160022	
<p>11. <u>REQUIREMENT</u> (CONTINUED)</p> <p><u>IMPACT IF NOT PROVIDED:</u> The USPFO will continue to work at reduced efficiency because of substandard conditions. The lack of adequate space will continue to degrade the USPFO's readiness, and their ability to provide the maximum support for the National Guard, Army and other service members that train on this installation. Troop morale, recruiting and retention will all suffer because the USPFO personnel are required to operate in an inadequate facility.</p>		

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE JUN 94	
3. INSTALLATION AND LOCATION GOWEN FIELD, BOISE, IDAHO			
4. PROJECT TITLE USPFO ADMINISTRATION OFFICE AND WAREHOUSE ADDITION		5. PROJECT NUMBER 160022	
12. SUPPLEMENTAL DATA:			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... 4/90			
(b) Percent complete as of 1 January 93..... 95%			
(c) Date Design Expected to be 35% Complete.. 7/90			
(d) Date Design Completed..... 3/93			
(2) BASIS:			
(a) Standard or Definitive Design - Yes ___ No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)			
(a) Production of Plans and Specifications... ( 0 )			
(b) All Other Design Costs..... ( 0 )			
(c) Total..... ( 88 )			
(d) Contract..... ( 88 )			
(e) In-House..... ( 0 )			
(4) CONSTRUCTION START..... 3/94			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
Telecom	AMSCO 519891.10	94	5
Furniture	AMSCO 519891.30	94	229



1. COMPONENT  ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  15 AUG 92																											
3. INSTALLATION AND LOCATION HOMEDALE, IDAHO																													
11. PERSONNEL STRENGTH AS OF 30 SEP 92																													
	<table border="0" style="width: 100%;"> <tr> <th style="text-align: left;">TOTAL</th> <th style="text-align: center;">PERMANENT</th> <th style="text-align: center;">OFFICER</th> <th style="text-align: center;">ENLISTED</th> <th style="text-align: center;">CIVILIAN</th> <th style="text-align: left;">TOTAL</th> <th style="text-align: center;">GUARD/RESERVE</th> <th style="text-align: center;">OFFICER</th> <th style="text-align: center;">ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">60</td> <td style="text-align: center;">2</td> <td style="text-align: center;">58</td> <td></td> </tr> <tr> <td>ACTUAL</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td style="text-align: center;">53</td> <td style="text-align: center;">2</td> <td style="text-align: center;">51</td> <td></td> </tr> </table>	TOTAL	PERMANENT	OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE	OFFICER	ENLISTED	AUTHORIZE	2	2	2	2	60	2	58		ACTUAL	1	1	1	1	53	2	51		
TOTAL	PERMANENT	OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE	OFFICER	ENLISTED																					
AUTHORIZE	2	2	2	2	60	2	58																						
ACTUAL	1	1	1	1	53	2	51																						
12. RESERVE UNIT DATA																													
UNIT DESIGNATION	STRENGTH																												
DET 1 C CO (-) 116TH ENGR BN	AUTHORIZED	ACTUAL																											
UTC WP06C1	60	53																											
TSPN 21353																													
13. MAJOR EQUIPMENT AND AIRCRAFT																													
TYPE	AUTHORIZED	ACTUAL																											
WHEELED VEHICLES	14	14																											
TRAILERS	10	10																											
TRACKED VEHICLES	2	2																											
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																													
	(\$000)																												
A. AIR POLLUTION	NONE																												
B. WATER POLLUTION	NONE																												
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																												

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE .. .	
3. INSTALLATION AND LOCATION HOMEDALE, IDAHO			4. PROJECT TITLE ARMORY		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 160013		8. PROJECT COST (\$000) 1,157
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					1,313
ARMORY BUILDING.....		SF	20,214	64.95	(1,313)
SUPPORTING FACILITIES.....			-	-	175
SITE PREPARATION (100% STATE).....		LS	-	-	( 20)
FINE GRADING, SEEDING & PLANTING.....		LS	-	-	( 37)
FENCING.....		LF	533	13.00	( 7)
PARKING: MIL/OFF STREET/ACCESS/TURN PADS.....		LS	-	-	( 55)
FLAGPOLE & WASH PLATFORM W/FUEL DISP.....		LS	-	-	( 29)
UTILITIES: WATER/SEWER/GAS/ELECT.....		LS	-	-	( 22)
SIDEWALK.....		SF	1,800	3.00	( 5)
SUBTOTAL.....					1,488
CONTINGENCY (5%).....					74
SUPERVISION, INSP & OVERHEAD (1.4%).....					22
FEDERAL SHARE.....					1,157
STATE SHARE.....NON ADD...					( 427)
TOTAL REQUEST.....					1,157
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD					( 30)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>The proposed building is a specially designed facility of permanent masonry type construction, brick and concrete block unit, with a built-up roof and concrete floors. It is a one story structure complete with mechanical and electrical equipment. Outside supporting facilities include a wash platform and fuel dispensing facilities.</p> <p><u>Air Conditioning:</u> 9 tons</p> <p>11. REQUIREMENT: 20,214 SF ADEQUATE: 0 SF SUBSTANDARD: 7,639 SF</p> <p><u>PROJECT:</u> A new facility is requested to serve the peacetime mission of this unit. The space will permit all personnel to perform the necessary tasks that will improve their readiness posture for support in combat objectives. The existing armory cannot be adequately remodeled or expanded. (Current Mission)</p> <p><u>REQUIREMENT:</u> This facility is required to house Det 1, C Company 116th Engr Bn, consisting of 60 personnel. This armory will provide the necessary administration and indoor training areas, area for storage of equipment for proper security, space to achieve the proficiency in required training in order to accomplish the assigned readiness objectives. A 7.0 acre state owned site is available for construction of this facility.</p> <p><u>CURRENT SITUATION:</u> The existing armory was constructed in 1956. The soil has a high alkaline content and it is coming up through the concrete floors. Attempts to seal the concrete have been fruitless. The present armory consists of 7,639 SF reflecting a shortage of 12,575 SF. The existing facility does not lend itself to remodel or reconstruction because of property restrictions.</p> <p><u>IMPACT IF NOT PROVIDED</u> The assigned unit will be required to continue to use the overcrowded, inadequate facility with a deficiency of 12,575 SF in supply, training, food preparation areas and security.</p>					

1. COMPONENT ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE 												
3. INSTALLATION AND LOCATION HOMEDALE, IDAHO														
4. PROJECT TITLE ARMORY		5. PROJECT NUMBER 160013												
12. SUPPLEMENTAL DATA														
<p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... <u>4/89</u></p> <p>(b) Percent complete as of 1 January 1993..... <u>100%</u></p> <p>(c) Date Design Expected to be 35% Complete..... <u>5/91</u></p> <p>(d) Date Design Completed..... <u>9/91</u></p> <p>(2) BASIS:</p> <p>(a) Standard of definitive Design - Yes <u>  </u> No <u>X</u></p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)</p> <p>(a) Production of Plans and Specifications..... (<u>0</u>)</p> <p>(b) All other design costs..... (<u>0</u>)</p> <p>(c) Total..... (<u>49</u>)</p> <p>(d) Contract..... (<u>49</u>)</p> <p>(e) In-House..... (<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>3/94</u></p> <p>b. Equipment associated with this project which will be provided from other appropriation:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Kitchen Equip</td> <td>AMSCO 522811.00</td> <td>94</td> <td>20</td> </tr> <tr> <td>J-SIIDS</td> <td>AMSCO 5212.00</td> <td>94</td> <td>10</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Kitchen Equip	AMSCO 522811.00	94	20	J-SIIDS	AMSCO 5212.00	94	10
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)											
Kitchen Equip	AMSCO 522811.00	94	20											
J-SIIDS	AMSCO 5212.00	94	10											



1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 18 FEB 93
3. INSTALLATION AND LOCATION ATTERBURY (ARFTA) (EDINBURGH), INDIANA			4. AREA CONSTR COST INDEX 97.4
5. FREQUENCY AND TYPE UTILIZATION  TRAINING SITE USED FOR WEEKEND TRAINING 44 WEEKENDS PER YEAR BY 22 BATTALIONS AND 50 COMPANY-SIZE UNITS. TRAINING SITE WILL BE USED FOR ANNUAL TRAINING 12 WEEKS PER YEAR BY 5 BRIGADE-SIZE UNITS.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS			
ARNG: COLUMBUS (15 MILES)	ARMORY	16855 SF	1979
EDINBURGH (0 MILES)	ARMORY	67081 SF	1987
USAR: CP ATTERBURY (0 MILES)	ARMORY		1974
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
179	INFANTRY SQUAD BATTLE COURSE (RETS)	LS	1,156
			DESIGN STATUS START COMPLETE 03/92 01/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE 18 FEB 93 (Date) STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDS UNILATERAL CONSTRUCTION.			
9. LAND ACQUISITION REQUIRED 0 (Number of Acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
PROJECT	FY	COST (\$000)	
TRAINING SITE FACILITIES PHASE VI	96	6,692	
MILITARY EDUCATION FACILITY	96	4,634	
TANK TABLE VI/VIII RANGE	97	400	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".			

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1993	
3. INSTALLATION AND LOCATION ATTERBURY (ARFT) (EDINBURGH), INDIANA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT</u> <u>OFFICER</u> <u>ENLISTED</u>		<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE</u> <u>OFFICER</u> <u>ENLISTED</u>	
AUTHORIZE	_____	_____	_____	_____	14,023	1287	12,736
ACTUAL	_____	_____	_____	_____	14,053	1285	12,768
12. RESERVE UNIT DATA							
UNIT DESIGNATION					STRENGTH		
					AUTHORIZED	ACTUAL	
ALL INDIANA ARMY NATIONAL GUARD					14,023	14,053	
ARNG UNITS FROM OHIO, KENTUCKY, ILLINOIS, AND MISSOURI.							
USAR UNITS FROM OHIO, KENTUCKY, ILLINOIS AND INDIANA.							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED		ACTUAL
N/A							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1994	
3. INSTALLATION AND LOCATION ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH), INDIANA			4. PROJECT TITLE INFANTRY SQUAD BATTLE COURSE (RETS)		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 180036	8. PROJECT COST (\$000) 1,156		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				661	
BATTLE COURSE RANGE.....	LS	-	-	( 661)	
SUPPORTING FACILITIES.....				418	
SITE PREPARATION.....	LS	-	-	( 204)	
OPERATIONS/STORAGE/INSTRUCTION BLDGS.....	SF	1600	60.00	( 96)	
LATRINE/AMMO BLDG.....	SF	440	65.90	( 29)	
ELECT SERVICE.....	LS	-	-	( 20)	
MILITARY PARKING.....	SY	650	8.00	( 5)	
ACCESS/SVC ROAD.....	SY	7800	7.00	( 55)	
FLAG POLE/PA POLES & WIRING.....	LS	-	-	( 4)	
COMMUNICATIONS.....	LS	-	-	( 5)	
SUBTOTAL.....				1,079	
CONTINGENCY (5%).....				54	
SUPERVISION, INSP & OVERHEAD (2.00%).....				23	
TOTAL REQUEST.....				1,156	
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD				( 451)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct an Infantry Squad Battle Course to provide both offensive and/or defensive live fire following the Army Training & Evaluation Plan (ARTEP) objectives for a reinforced, dismounted, infantry rifle squad. Primary facilities include all construction within the perimeter of the range complex and a control tower. Range support facilities include admin/instruction building, ammo breakdown building, latrine, access/service roads, parking area, utilities, communications and site improvements.					
Air Conditioning: 2 tons for control tower					
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A					
PROJECT: A live fire Infantry Squad Battle Course with both offensive and defensive scenarios for ARTEP Standard Training and Evaluation. This project covers 210 acres of federally owned land licensed to the State of Indiana. (Current Mission)					
REQUIREMENT: This range is required to provide ARTEP standard collective live fire training and evaluation for all infantry rifle squads in the Indiana ARNG.					
CURRENT SITUATION: There is no Infantry Squad Battle Course or equivalent range available on the installation, anywhere in the State of Indiana or within reasonable commuting distance.					
IMPACT IF NOT PROVIDED: If this project is not provided, units will not be able to conduct required ARTEP squad level training or evaluation. A significant, adverse impact on the proficiency, readiness and deployability of units will exist. Combat weapons live fire training and evaluation requirements will not be met and overall readiness will be degraded.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE ... 9 1993												
3. INSTALLATION AND LOCATION ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH), INDIANA														
4. PROJECT TITLE INFANTRY SQUAD BATTLE COURSE (RETS)	5. PROJECT NUMBER 180036													
12. SUPPLEMENTAL DATA														
<p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p style="margin-left: 40px;">(a) Date Design Started.....3/92</p> <p style="margin-left: 40px;">(b) Percent complete as of 1 January 1993.....100%</p> <p style="margin-left: 40px;">(c) Date Design Expected to be 35% Complete.....6/92</p> <p style="margin-left: 40px;">(d) Date Design Completed.....1/93</p> <p>(2) BASIS:</p> <p style="margin-left: 40px;">(a) Standard of definitive Design - Yes <u>X</u> No <u>    </u></p> <p style="margin-left: 40px;">(b) Where was Design Previously Used? <u>HNDM 1110-1-19</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)</p> <p style="margin-left: 40px;">(a) Production of Plans and Specifications..... ( <u>0</u> )</p> <p style="margin-left: 40px;">(b) All other design costs..... ( <u>0</u> )</p> <p style="margin-left: 40px;">(c) Total..... ( <u>81</u> )</p> <p style="margin-left: 40px;">(d) Contract..... ( <u>81</u> )</p> <p style="margin-left: 40px;">(e) In-House..... ( <u>0</u> )</p> <p>(4) CONSTRUCTION START..... <u>3/94</u></p> <p>b. Equipment associated with this project which will be provided from other federal appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Remoted Target System (RETS)</td> <td>OPA</td> <td style="text-align: center;">94</td> <td style="text-align: center;">444</td> </tr> <tr> <td>J-SIIDS</td> <td>OPA</td> <td style="text-align: center;">94</td> <td style="text-align: center;">7</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Remoted Target System (RETS)	OPA	94	444	J-SIIDS	OPA	94	7
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)											
Remoted Target System (RETS)	OPA	94	444											
J-SIIDS	OPA	94	7											

1. COMPONENT ARRNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE FEB 93
3. INSTALLATION AND LOCATION ATTERBURY (ARFTA) (EDINBURGH), INDIANA					4. AREA CONSTR COST INDEX 97.4
5. FREQUENCY AND TYPE UTILIZATION  TRAINING SITE USED FOR WEEKEND TRAINING 44 WEEKENDS PER YEAR BY 22 BATTALIONS AND 50 COMPANY-SIZE UNITS. TRAINING SITE WILL BE USED FOR ANNUAL TRAINING 12 WEEKS PER YEAR BY 5 BRIGADE-SIZE UNITS.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARRNG:	COLUMBUS (15 MILES)	ARMORY	16855 SF	1979	
	EDINBURGH (0 MILES)	ARMORY	67081 SF	1987	
USAR:	CP ATTERBURY (0 MILES)	ARMORY		1974	
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
179	MODIFIED RECORD FIRE RANGE (RETS) UPGRADE	16 LANES	654	05/90	08/91
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMEND UNILATERAL CONSTRUCTION.					
9. LAND ACQUISITION REQUIRED				18 FEB 93 (Date)	
				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
PROJECT	FY	COST (\$000)			
TRAINING SITE FACILITIES PHASE VI	96	6,692			
MILITARY EDUCATION FACILITY	96	4,634			
TANK TABLE VI/VIII RANGE	97	400			
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".					

1. COMPONENT  ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 1993																							
3. INSTALLATION AND LOCATION  ATTERBURY (ARFTA) (EDINBURGH), INDIANA																									
11. PERSONNEL STRENGTH AS OF 30 SEP 92																									
	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">TOTAL</th> <th style="width: 10%; text-align: center;">PERMANENT OFFICER</th> <th style="width: 10%; text-align: center;">ENLISTED</th> <th style="width: 10%; text-align: center;">CIVILIAN</th> <th style="width: 10%; text-align: center;">TOTAL</th> <th style="width: 10%; text-align: center;">GUARD/RESERVE OFFICER</th> <th style="width: 10%; text-align: center;">ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> <td style="text-align: right;">14,023</td> <td style="text-align: right;">1287</td> <td style="text-align: right;">12,736</td> </tr> <tr> <td>ACTUAL</td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> <td style="text-align: right;">14,053</td> <td style="text-align: right;">1285</td> <td style="text-align: right;">12,768</td> </tr> </table>		TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED	AUTHORIZE					14,023	1287	12,736	ACTUAL					14,053	1285	12,768
	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED																		
AUTHORIZE					14,023	1287	12,736																		
ACTUAL					14,053	1285	12,768																		
12. RESERVE UNIT DATA																									
UNIT DESIGNATION	STRENGTH																								
ALL INDIANA ARMY NATIONAL GUARD	AUTHORIZED	ACTUAL																							
	14,023	14,053																							
ARNG UNITS FROM OHIO, KENTUCKY, ILLINOIS, AND MISSOURI.																									
USAR UNITS FROM OHIO, KENTUCKY, ILLINOIS AND INDIANA.																									
13. MAJOR EQUIPMENT AND AIRCRAFT																									
TYPE	AUTHORIZED	ACTUAL																							
N/A																									
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																									
	(\$000)																								
A. AIR POLLUTION	NONE																								
B. WATER POLLUTION	NONE																								
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																								

1 COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2 DATE 2000 01 02	
3 INSTALLATION AND LOCATION ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH), INDIANA			4 PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS), UPGRADE		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 180041	8. PROJECT COST (\$000) 654		
9 COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				574	
RANGE UPGRADE.....	LS	-	-	( 551)	
MODIFIED CONTROL TOWER.....	LS	-	-	( 23)	
SUPPORTING FACILITIES.....				39	
SITE PREPARATION.....	LS	-	-	( 15)	
TARGET STORAGE BLDG ADDITION.....	SF	323	30.00	( 10)	
PA SYSTEM WIRING.....	LS	-	-	( 4)	
GRADING & SEEDING.....	AC	5	2000.00	( 10)	
SUBTOTAL.....				613	
CONTINGENCY (5%).....				31	
SUPERVISION, INSP & OVERHEAD (1.52%).....				10	
TOTAL REQUEST.....				654	
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				( 448)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION This project will upgrade a 16 lane Record Fire Range constructed in FY 88 into a Modified Record Fire Range (RETS). <u>Air Conditioning: 1 ton for control tower</u> 11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A <u>PROJECT:</u> This project consists of upgrading an existing 16 lane Record Fire Range to provide a Modified Record Fire (RETS) Range. The upgrade follows criteria established for such ranges as outlined in the Corps of Engineers design manual. This project covers 23 acres of Federal land licensed to the state of Indiana. (Current Mission) <u>REQUIREMENT:</u> The proposed range upgrade will require the addition of two target bunkers per lane and additional electrical power and control wiring. A range control computer system and air condition system are required in the control tower. Wiring and speaker mounts for a public system will be added. An addition to the existing target storage building is also required. <u>CURRENT SITUATION:</u> Camp Atterbury has one 16 lane Record Fire Range which was built in FY 88. It is manually operated and has no field firing capability. <u>IMPACT IF NOT PROVIDED:</u> Due to inadequate existing range facilities, individual weapons training objectives will be delayed. The development and maintaining of combat skills needed to deploy rapidly is essential as the number of National Guard units with early missions increase.					



1 COMPONENT ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2 DATE .. 55
3 INSTALLATION AND LOCATION ATTERBURY RESERVE FORCES TRAINING AREA (EDINBURGH), INDIANA		
4 PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS), UPGRADE	5. PROJECT NUMBER 180041	
12. SUPPLEMENTAL DATA:		
a. ESTIMATED DESIGN DATA:		
(1) STATUS: (a) Date Design Started..... 5/90 (b) Percent complete as of 1 January 93..... 100% (c) Date Design Expected to be 35% Complete.. 8/90 (d) Date Design Completed..... 8/91		
(2) BASIS: (a) Standard or Definitive Design - Yes <u>X</u> No <u>  </u> (b) Where was Design Previously Used? <u>HNDM 1110-1-5</u>		
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000) (a) Production of Plans and Specifications... ( <u>0</u> ) (b) All Other Design Costs..... ( <u>0</u> ) (c) Total..... ( <u>30</u> ) (d) Contract..... ( <u>30</u> ) (e) In-House..... ( <u>0</u> )		
(4) CONSTRUCTION START..... <u>6/94</u>		
b. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>
Remote Target System (RETS)	OPA	94 448

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE SEP 1993
3. INSTALLATION AND LOCATION NORWAY, MAINE			4. AREA CONSTR COST INDEX 88.0
5. FREQUENCY AND TYPE UTILIZATION  NORMAL ADMINISTRATION FIVE (5) DAYS PER WEEK WITH A TWO DAY TRAINING ASSEMBLY ONE WEEKEND PER MONTH.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG: AUBURN (22 MILES) OMS 4,960 SF 1961 LEWISTON (25 MILES) ARMORY 24,019 SF 1974 JOINT USE WITH USAR USAR: AUBURN (22 MILES) ARMORY			
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
171	ARMORY EXPANSION/ REHABILITATION	23,630 SF	1,380
		12/88	02/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.			
9. LAND ACQUISITION REQUIRED NONE		14 OCT 92 (Date)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS NONE		1 (Number of Acres)	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"			

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 1993	
3. INSTALLATION AND LOCATION NORWAY, MAINE							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT</u> <u>OFFICER</u> <u>ENLISTED</u>		<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE</u> <u>OFFICER</u> <u>ENLISTED</u>	
AUTHORIZE	_____	_____	_____	_____	161	5	156
ACTUAL	_____	_____	_____	_____	154	6	148
12. RESERVE UNIT DATA							
					<u>STRENGTH</u>		
<u>UNIT DESIGNATION</u>					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
CO C, 133D ENGINEER BATTALION					161	154	
UIC WQQNCO							
TSPN 21364							
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
WHEELED VEHICLES					40	32	
TRAILERS					23	21	
TRACKED VEHICLES					3	2	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					( \$000 )		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1993	
3. INSTALLATION AND LOCATION NORWAY, MAINE			4. PROJECT TITLE ARMORY EXPANSION/REHABILITATION		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 230002		8. PROJECT COST (\$000) 1,380	
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				1,432	
ARMORY ADDITION.....	SF	13,107	79.65	(1,044)	
REHABILITATION.....	SF	10,523	36.87	(388)	
SUPPORTING FACILITIES.....				378	
SITE PREPARATION (100% STATE).....	LS	-	-	(88)	
DEMOLITION, WASH RACK, FUEL DSIP SYS.....	LS	-	-	(102)	
FINE GRADING, SEEDING & PLANTING.....	LS	-	-	(17)	
FENCING, CONCRETE PAVING, WALKS.....	LS	-	-	(33)	
PARKING & PAVING: MIL, OFF STREET/ACCESS	SY	9,530	13.22	(125)	
UTILITIES: WATER/SEWER & TELCOM.....	LS	-	-	(13)	
SUBTOTAL.....				1,810	
CONTINGENCY (5%).....				91	
SUPERVISION, INSP & OVERHEAD (1.40%).....				27	
FEDERAL SHARE.....				1,380	
STATE SHARE.....NON ADD				(548)	
TOTAL REQUEST.....				1,380	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>A specially designed two story facility of permanent construction. Consisting of concrete block with brick on a concrete foundation and floor. The existing armory will undergo rehabilitation in conjunction with this addition to provide an energy efficient structure with adequate space for the assigned unit. Upgrading of the heating and ventilation system, power and lighting system and demolition work.</p> <p><u>Air Conditioning:</u> NONE</p> <p>11. REQUIREMENT: 33,644 SF ADEQUATE: 10,014 SF SUBSTANDARD: 10,523 SF</p> <p><u>PROJECT:</u> This project will provide a modern and efficient armory to meet administrative &amp; training requirements of the assigned unit. (Current Mission)</p> <p><u>REQUIREMENT:</u> This facility is required to provide functional areas for Company D, 262nd Engineer Battalion (Cbt) (Corps) with a required strength of 160 personnel as well as their assigned equipment. This armory will provide the necessary administrative, indoor training areas, equipment training and storage areas to achieve the proficiency is required training and to accomplish the assigned readiness objectives.</p> <p><u>CURRENT SITUATION:</u> The current Norway Armory was constructed in 1941. This facility has deteriorated from aging and is extremely energy inefficient and poorly configured. Company D, 262nd Engineer Bn was formerly a split unit with a detachment in Rumford, ME. In 1984 the unit was consolidated in the Norway Armory. The current building is severely lacking space for administration, food service and training (classroom,</p>					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 1993
3. INSTALLATION AND LOCATION NORWAY, MAINE		
4. PROJECT TITLE ARMORY EXPANSION/REHABILITATION		5. PROJECT NUMBER 230002
<p>11. REQUIREMENT (CONTINUED)</p> <p><u>CURRENT SITUATION:</u> library, learning center, training aid and audio visual storage, and unit maintenance training areas). The existing facility is currently situated on a 6.3 acre State owned site.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The assigned unit will be required to utilize their existing undersized and substandard facility. These conditions have a detrimental effect upon the unit's morale and readiness. The State will continue to waste thousands of dollars to operate this inadequate facility.</p>		

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAR 1993																														
3. INSTALLATION AND LOCATION NORWAY, MAINE																																
4. PROJECT TITLE ARMORY EXPANSION/REHABILITATION		5. PROJECT NUMBER 230002																														
<p>12. SUPPLEMENTAL DATA</p> <p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">12/88</td> </tr> <tr> <td>(b) Percent complete as of 1 January 1993.....</td> <td style="text-align: right;">65%</td> </tr> <tr> <td>(c) Date Design Expected to be 35% Complete.....</td> <td style="text-align: right;">9/91</td> </tr> <tr> <td>(d) Date Design Completed.....</td> <td style="text-align: right;">2/93</td> </tr> </table> <p>(2) BASIS:</p> <p>(a) Standard of definitive Design - Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X</p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 0 )</td> </tr> <tr> <td>(b) All other design costs.....</td> <td style="text-align: right;">( 0 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">( 58 )</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 58 )</td> </tr> <tr> <td>(e) In-House.....</td> <td style="text-align: right;">( 0 )</td> </tr> </table> <p>(4) CONSTRUCTION START..... <u>10/93</u></p> <p>b. Equipment associated with this project which will be provided from other appropriation:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Equipment <u>Nomenclature</u></th> <th style="text-align: left;">Procuring <u>Appropriation</u></th> <th style="text-align: left;">Fiscal Year Appropriated <u>or Requested</u></th> <th style="text-align: left;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Kitchen Equip</td> <td>AMSCO 522811.00</td> <td style="text-align: center;">94</td> <td style="text-align: center;">20</td> </tr> <tr> <td>Telephone</td> <td>AMSCO 529895.10</td> <td style="text-align: center;">94</td> <td style="text-align: center;">3</td> </tr> </tbody> </table>			(a) Date Design Started.....	12/88	(b) Percent complete as of 1 January 1993.....	65%	(c) Date Design Expected to be 35% Complete.....	9/91	(d) Date Design Completed.....	2/93	(a) Production of Plans and Specifications.....	( 0 )	(b) All other design costs.....	( 0 )	(c) Total.....	( 58 )	(d) Contract.....	( 58 )	(e) In-House.....	( 0 )	Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Kitchen Equip	AMSCO 522811.00	94	20	Telephone	AMSCO 529895.10	94	3
(a) Date Design Started.....	12/88																															
(b) Percent complete as of 1 January 1993.....	65%																															
(c) Date Design Expected to be 35% Complete.....	9/91																															
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(c) Total.....	( 58 )																															
(d) Contract.....	( 58 )																															
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Kitchen Equip	AMSCO 522811.00	94	20																													
Telephone	AMSCO 529895.10	94	3																													

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE APR 1993
3. INSTALLATION AND LOCATION TOWSON, MARYLAND			4. AREA CONSTR COST INDEX 97.5
5. FREQUENCY AND TYPE UTILIZATION  NORMAL ADMINISTRATION FIVE (5) DAYS PER WEEK WITH A MAXIMUM OF ONE (1) WEEKEND ASSEMBLY PER MONTH.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS			
ARNG: TOWSON (OLD)	(3 MILES)	200 PERSON-ARMORY	26,401 SF 1933
PARKVILLE	(8 MILES)	300 PERSON-ARMORY	36,366 SF 1964
PIKESVILLE	(9 MILES)	600 PERSON-ARMORY	96,455 SF 1903
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
171	ARMORY ALTERATION/ ADDITION	62,584 SF	2,823
			08/88
			04/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE			08 APR 92
STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT			(Date)
EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.			
9. LAND ACQUISITION REQUIRED			0
NONE			(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
NONE			
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"			



1. COMPONENT ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE 76 11 1993													
3. INSTALLATION AND LOCATION TOWSON, MARYLAND															
11. PERSONNEL STRENGTH AS OF 30 SEP 92															
	<table border="0" style="width: 100%;"> <tr> <th style="text-align: left;">TOTAL</th> <th colspan="2" style="text-align: center;">PERMANENT</th> <th style="text-align: left;">CIVILIAN</th> <th colspan="3" style="text-align: center;">GUARD/RESERVE</th> </tr> <tr> <th></th> <th style="text-align: center;">OFFICER</th> <th style="text-align: center;">ENLISTED</th> <th></th> <th style="text-align: center;">TOTAL</th> <th style="text-align: center;">OFFICER</th> <th style="text-align: center;">ENLISTED</th> </tr> </table>	TOTAL	PERMANENT		CIVILIAN	GUARD/RESERVE				OFFICER	ENLISTED		TOTAL	OFFICER	ENLISTED
TOTAL	PERMANENT		CIVILIAN	GUARD/RESERVE											
	OFFICER	ENLISTED		TOTAL	OFFICER	ENLISTED									
AUTHORIZE	47	12	33	2	344	49	295								
ACTUAL	45	10	33	2	380	43	337								
12. RESERVE UNIT DATA															
				STRENGTH											
UNIT DESIGNATION				AUTHORIZED	ACTUAL										
HHC/MMC SPT CMD, 29TH INF DIV (L)				134	215										
UIC WA6XAA															
TSPN 0702935															
CO B, 2ND BN, 175TH INF, 29TH INF DIV (L)				130	104										
UIC WPHVBO															
TSPN 0702947															
CO A (-DET 1&2) 129TH SIG BN, 29TH INF DIV (L)				80	61										
UIC WV62AO															
TPSN 0702904															
TOTAL				344	380										
13. MAJOR EQUIPMENT AND AIRCRAFT															
TYPE				AUTHORIZED	ACTUAL										
NONE															
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES															
				(\$000)											
A. AIR POLLUTION				NONE											
B. WATER POLLUTION				NONE											
C. OCCUPATIONAL SAFETY AND HEALTH				NONE											

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1993	
3. INSTALLATION AND LOCATION TOWSON, MARYLAND			4. PROJECT TITLE ARMORY ALTERATION/ADDITION		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 240016		8. PROJECT COST (\$000) 2.823
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					2,566
ARMORY ALTERATIONS.....		SF	35,877	11.87	( 426)
ARMORY ADDITION.....		SF	26,707	80.13	(2,140)
SUPPORTING FACILITIES.....					86
UTILITY CONNECTIONS.....		LS	-	-	( 15)
POV PARKING.....		LS	-	-	( 10)
SITE PREPARATIONS.....		LS	-	-	( 55)
GRADING AND SEEDING.....		LS	-	-	( 5)
SIDEWALKS.....		SF	1,000	1.25	( 1)
SUBTOTAL.....					2,652
CONTINGENCY (5%).....					133
SUPERVISION, INSP & OVERHEAD (1.37%).....					38
TOTAL REQUEST.....					2,823
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD					( 15)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Alterations and an addition to the existing building to provide for authorized space for current criteria for the activities to be housed. To provide the authorized accommodations it will be necessary to construct an addition to the existing building, complete with all utilities.</p> <p><u>Air Conditioning: 60 tons</u></p> <p>11. REQUIREMENT: 62,584 SF ADEQUATE: 0 SF SUBSTANDARD: 35,877 SF</p> <p>PROJECT: Alterations and an addition are necessary to provide accommodation for the assigned units. The increase space will enable all personnel to perform military tasks that will enhance and improve their readiness posture. (Current Mission)</p> <p>REQUIREMENT: The armory requires many adjustments in size of functional areas in order to provide accommodations of sufficient size to house administration, storage, indoor training areas and similar activities to enhance proficiency in readiness objectives. This project is needed to provide adequate facilities for these units.</p> <p>CURRENT SITUATION: The existing armory consists of 35,877 gross SF and was constructed in 1980 with 75% Federal and 25% State funds. As designed, the facility was house two company sized units.</p> <p>IMPACT IF NOT PROVIDED There would be insufficient space to accommodate the three assigned units. The inadequate size of functional areas and lack of space would continue to have an adverse on the ability of the units to achieve and maintain their required readiness postura.</p>					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 1993	
3. INSTALLATION AND LOCATION TOWSON, MARYLAND			
4. PROJECT TITLE ARMORY ALTERATION/ADDITION		5. PROJECT NUMBER 240016	
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started..... 8/88			
(b) Percent complete as of 1 January 1993..... 65%			
(c) Date Design Expected to be 35% Complete..... 5/90			
(d) Date Design Completed..... 4/93			
(2) BASIS:			
(a) Standard of definitive Design - Yes ___ No <u>X</u>			
(b) Where was Design Previously Used? <u>N/A</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications..... ( <u>0</u> )			
(b) All other design costs..... ( <u>0</u> )			
(c) Total..... ( <u>117</u> )			
(d) Contract..... ( <u>117</u> )			
(e) In-House..... ( <u>0</u> )			
(4) CONSTRUCTION START..... 10/93			
b. Equipment associated with this project which will be provided from other appropriation:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Kitchen Equip	AMSCO 522811.00	94	15

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE .. 533	
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA			4. AREA CONSTR COST INDEX 100.0	
5. FREQUENCY AND TYPE UTILIZATION  TO BE USED 48 OF 52 WEEKENDS ANNUALLY FOR INACTIVE DUTY TRAINING AND 42 WEEKS PER YEAR FOR UNITS CONDUCTING ANNUAL TRAINING.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
BRAINERD	(23 MILES)	ARMORY	37311 SF	1988
LONG PRAIRIE	(33 MILES)	ARMORY	15790 SF	1920
ST. CLOUD	(37 MILES)	ARMORY	26447 SF	1960
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE
179	MULTI PURPOSE RANGE COMPLEX (RETS)	LS	3,185	01/92      04/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE			3 FEB 93	
STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE			(Date)	
JOINT USE/EXPANSION. THE BOARD RECOMMEND UNILATERAL CONSTRUCTION.				
9. LAND ACQUISITION REQUIRED			0	
			(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT	FY	COST (\$000)		
OMS #11/12/19	94	2625		
MODIFIED RECORD FIRE RANGE	95	500		
INFANTRY SQUAD BATTLE COURSE (RETS)	96	700		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".				

1. COMPONENT ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE NOV 1 1993								
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA										
11. PERSONNEL STRENGTH AS OF 30 SEP 92										
	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">PERMANENT OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> <th style="width: 15%; text-align: center;">CIVILIAN</th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">GUARD/RESERVE OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> </tr> </table>		TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED	
	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED			
AUTHORIZE	_____	_____	_____	_____	N/A	_____	_____			
ACTUAL	_____	_____	_____	_____	N/A	_____	_____			
12. RESERVE UNIT DATA										
UNIT DESIGNATION ARNG/USAR ARMOR, INFANTRY, AVIATION AND ENGINEER UNITS FROM MINNESOTA, NORTH/ SOUTH DAKOTA, IOWA, ILLINOIS AND WISCONSIN	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 100%; text-align: center;">STRENGTH</th> </tr> <tr> <td style="text-align: center;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">AUTHORIZED</th> <th style="width: 50%; text-align: center;">ACTUAL</th> </tr> <tr> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> </table> </td> </tr> </table>	STRENGTH	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">AUTHORIZED</th> <th style="width: 50%; text-align: center;">ACTUAL</th> </tr> <tr> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> </table>	AUTHORIZED	ACTUAL	N/A	N/A			
STRENGTH										
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">AUTHORIZED</th> <th style="width: 50%; text-align: center;">ACTUAL</th> </tr> <tr> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> </table>	AUTHORIZED	ACTUAL	N/A	N/A						
AUTHORIZED	ACTUAL									
N/A	N/A									
13. MAJOR EQUIPMENT AND AIRCRAFT										
TYPE N/A	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">AUTHORIZED</th> <th style="width: 50%; text-align: center;">ACTUAL</th> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table>	AUTHORIZED	ACTUAL							
AUTHORIZED	ACTUAL									
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES										
(\$000)										
A. AIR POLLUTION	NONE									
B. WATER POLLUTION	NONE									
C. OCCUPATIONAL SAFETY AND HEALTH	NONE									

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 	
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS) MINNESOTA			4. PROJECT TITLE MULTI PURPOSE RANGE COMPLEX HEAVY (RETS)		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 270001		8. PROJECT COST (\$000) 3,185
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					2,462
ONE LANE .....		LS	-	-	(1,402)
BUILDING, BERMS, TRACK BEDS.....		LS	-	-	(960)
CONTROL TOWER.....		SF	256	391.00	(100)
SUPPORTING FACILITIES.....					530
CLEARING, GRUBBING, GRADING & SEEDING...		LS	-	-	(140)
LATRINE/MESS/CONCURRENT TRAINING BLDG...		SF	2816	65.00	(183)
TARGET STORAGE BUILDINGS.....		SF	800	35.00	(28)
COVERED MAINTENANCE AREA.....		SF	2075	25.00	(52)
COVERED AMMO LOADING DOCK.....		SF	760	50.00	(38)
ACCESS ROAD AND PARKING.....		SY	3000	5.00	(15)
UTILITIES/FLAG POLE.....		LS	-	-	(74)
SUBTOTAL.....					2,992
CONTINGENCY (5%).....					150
SUPERVISION, INSP & OVERHEAD (1.37%).....					43
TOTAL REQUEST.....					3,185
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD					(970)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
New construction of a year-round use, Multi Purpose Range Complex with Remoted Electronic Target System (RETS). Supporting facilities include a mess/latrine/concurrent training building with associated covered maintenance and covered ammo issue point. This facility is to be a masonry building with concrete floor, truss roof, plywood interior walls, insulation and heating, well and septic system, winterized control tower, flag pole, gravel surfaced access road and parking area, and target storage shed.					
<u>Air Conditioning: 2 tons at control tower</u>					
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A					
PROJECT: A multipurpose range complex to support current training missions of armor/infantry vehicles at crew, platoon and company levels. (Current Mission)					
REQUIREMENT: This range/training facility is required to support MNRNG units performing the gunnery qualification requirements of Forces Command. (FORSCOM). This proposal will provide the means to accomplish qualification on the following ranges: full scale and 1/2 scaled, Tank/Bradley Ranges through Table VIII, Infantry Platoon Battle Course, Aerial Gunnery, Missile Tracking, will support combined Arms Live Fire exercises and all targets are Multiple Integrated Laser Equipment System (MILES) capable. The range will be on State owned land.					
CURRENT SITUATION: At present there are no existing or programmed ranges at the Camp Ripley Training Site that will accommodate all of the crew served weapons live fire training requirements of the MNRNG.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE MAR 1993
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS) MINNESOTA		
4. PROJECT TITLE MULTI PURPOSE RANGE COMPLEX HEAVY (RETS)	5. PROJECT NUMBER 270001	
<p>11. <u>REQUIREMENTS:</u> (Continued)</p> <p><u>IMPACT IF NOT PROVIDED:</u> Lack of an adequate range within the state to accommodate gunnery qualification requirements will create a serious training deficiency for the affected MNARNG units. These units will be required to deploy biannually to out-of-state locations to meet FORSCOM training requirements. Out-of-state deployment is extremely expensive and would seriously restrict the ability of these units to accomplish their readiness training requirements.</p>		



1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS) MINNESOTA		
4. PROJECT TITLE MULTI PURPOSE RANGE COMPLEX HEAVY (RETS)		5. PROJECT NUMBER 270001
12. SUPPLEMENTAL DATA		
a. ESTIMATED DESIGN DATA:		
(1) STATUS:		
(a) Date Design Started.....1/92		
(b) Percent complete as of 1 January 1993.....75%		
(c) Date Design Expected to be 35% Complete.....3/92		
(d) Date Design Completed.....4/93		
(2) BASIS:		
(a) Standard of definitive Design - Yes <u>X</u> No <u>    </u>		
(b) Where was Design Previously Used? <u>HNDM 1110-1-8</u>		
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)		
(a) Production of Plans and Specifications.....( <u>0</u> )		
(b) All other design costs.....( <u>0</u> )		
(c) Total.....( <u>132</u> )		
(d) Contract.....( <u>132</u> )		
(e) In-House.....( <u>0</u> )		
(4) CONSTRUCTION START..... 4/94		
b. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated</u> <u>or Requested</u>
Cost <u>(\$000)</u>		
Remoted Target System (RETS)	OPA	94
		970

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 123
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA			4. AREA CONSTR COST INDEX 94.2
5. FREQUENCY AND TYPE UTILIZATION  NORMAL ADMINISTRATION FIVE (5) DAYS A WEEK WITH ONE (1) WEEKEND TRAINING ASSEMBLY PER MONTH.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG: BRAINERD (23 MILES) ARMORY 37,211 SF 1988 LONG PRAIRIE (33 MILES) ARMORY 15,790 SF 1920 ST. CLOUD (37 MILES) ARMORY 26,447 SF 1960			
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
214	ORGANIZATIONAL MAINTENANCE SHOPS	29,772 SF	2,625
			DESIGN STATUS START COMPLETE 01/90 04/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.			3 FEB 93 (Date)
9. LAND ACQUISITION REQUIRED NONE			0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
PROJECT	FY	COST (\$000)	
TRAINING SITE FACILITIES, PHASE I, TROOP AREA 7, CAMP RIPLEY	96	2,600	
BATTLE SIMULATION FACILITY, CAMP RIPLEY	97	1,200	
TRAINING SITE, RUNWAY LIGHTING	97	350	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"			

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 22	
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	28	2	26		1692	161	1531
ACTUAL	17	2	15		1641	150	1491
12. RESERVE UNIT DATA							
UNIT DESIGNATION				STRENGTH			
				AUTHORIZED	ACTUAL		
OMS 11							
HEADQUARTERS/LIGHT MAINTENANCE COMPANY				205	168		
747TH MAINTENANCE BATTALION							
UIC: WPU8AA							
TPSN: 28143							
COMPANY D, 747TH MAINTENANCE BATTALION				129	121		
UIC: WPU8DO							
TPSN: 0304737							
COMPANY F, 747TH MAINTENANCE BATTALION				237	210		
UIC: WPU8FO							
TPSN: 0304737							
CONTINUED ON PAGE 3							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ACTUAL		
WHEELED VEHICLES				307	274		
TRACKED VEHICLES				2	2		
TRAILERS				159	140		
*INCLUDES VEHICLES STORED AT MATES							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
(\$000)							
A. AIR POLLUTION				NONE			
B. WATER POLLUTION				NONE			
C. OCCUPATIONAL SAFETY AND HEALTH				NONE			

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA		
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOPS		5. PROJECT NUMBER 270088
12. RESERVE UNIT DATA (CONTINUED)		
UNIT DESIGNATION		
	STRENGTH	
	AUTHORIZED	ACTUAL
OMS 11 COMPANY G (-) 747TH MAINTENANCE BATTALION UIC: WPU8G0 TPSN: 0304737	74	82
723 ORDNANCE COMPANY, DETACHMENT 1 747TH MAINTENANCE BATTALION UIC: WVGAA TPSN: 34024	2	2
HEADQUARTERS, HEADQUARTERS DETACHMENT 47TH SUPPLY AND TRANSPORTATION BATTALION UIC: WPU4AA TPSN: 0304736	44	54
COMPANY A, DETACHMENT 1 47TH SUPPLY AND TRANSPORTATION BATTALION UIC: WPU4AO TPSN: 0304736	132	103
	823	740
QMS 12 HEADQUARTERS, 1ST SQUADRON, 194TH CAVALRY UIC: WPU4AA TPSN: 0304707	15	15
HEADQUARTERS, HEADQUARTERS TROOP (-) 1ST SQUADRON, 194TH CAVALRY UIC: WPU4TO TPSN: 0304797	103	104
HEADQUARTERS, HEADQUARTERS TROOP, DETACHMENT 1 1ST SQUADRON, 195TH CAVALRY UIC: WPU4T1 TPSN: 0304707	39	35
A TROOP 1ST SQUADRON, 194TH CAVALRY UIC: WPU4A1 TPSN: 0304707	138	149
COMPANY C, 142ND ENGINEER BATTALION, HEAVY UIC: WA44CO TPSN: 21364	161	167
	456	470

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 293
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA				
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOPS			5. PROJECT NUMBER 270088	
12. RESERVE UNIT DATA (CONTINUED)			STRENGTH	
UNIT DESIGNATION			AUTHORIZED	ACTUAL
OMS 19 INSTALLATION SUPPORT UNIT UIC: W7Q5AA TPSN: 46755			205	211
813TH MEDICAL DETACHMENT, 47TH AVIATION BRIGADE UIC: TWXSAA TPSN: 32744			53	60
256TH MEDICAL DETACHMENT UIC: WVGNA TPSN: 32858			10	13
112TH HEALTH SERVICES LIAISON DETACHMENT UIC: TWJT9D TPSN: 46751			15	15
STATE AREA COMMAND, DETACHMENT 1 UIC: W8AEA2 TPSN: 46751			45	44
STATE AREA COMMAND, DETACHMENT 2 UIC: W8AEA2 TPSN: 46751			72	75
REGIONAL TRAINING SITE-MAINTENANCE UIC: W7XHAA TPSN: 46751			<u>13</u> 413	<u>13</u> 431

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA			4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOPS		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 214	7. PROJECT NUMBER 270088	8. PROJECT COST (\$000) 2,625		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY (OMS 11 & 19).....	SF	22550	70.00	1,868	
ORGANIZATIONAL MAINTENANCE SHOP.....	SF	3150	35.00	( 110)	
COVERED UNHEATED STORAGE.....	SF	600	65.00	( 39)	
CONTROLLED WASTE HANDLING FACILITY (CWHP).....	SF	597	65.00	( 39)	
FLAMMABLE MATERIALS BUILDING.....	SF	2875	35.00	( 101)	
ALTERATIONS TO EXISTING OMS.....				599	
SUPPORTING FACILITIES.....				( 69)	
SITE PREPARATION AND PLANTING.....	LS	-	-	( 70)	
GRADING AND DRAINAGE.....	LF	1586	15.00	( 24)	
FENCING.....	SY	455	15.00	( 7)	
PAVING (FLEXIBLE).....	SY	8956	30.00	( 269)	
PAVING (RIGID).....	LS	-	-	( 120)	
WASH RACKS (2) AND LUBE/INSP. RACKS (2).....	LS	-	-	( 40)	
UTILITIES: WATER, SEWER, GAS, ELECTRICAL.....				2,467	
SUBTOTAL.....				123	
CONTINGENCY (5%).....				35	
SUPERVISION, INSP & OVERHEAD (1.37%).....				2,625	
TOTAL REQUEST.....				( 45)	
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD					
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>The new OMS 11 and 19 facility consists of a specially designated maintenance building with thirteen workbays, three special work bays and administrative work area, constructed of masonry, with a built-up roof and concrete floors. Partitions to consist of masonry block. Supporting facilities include flexible and rigid paving, security lighting and fencing. The existing OMS 11 and 12 facility will undergo minor modifications and alterations to adequately accommodate OMS 12.</p> <p><u>Air Conditioning:</u> 5 tons</p> <p><u>11. REQUIREMENT:</u> 32,482 SF    <u>ADEQUATE:</u> 2710 SF    <u>SUBSTANDARD:</u> 27,062 SF</p> <p><u>PROJECT:</u> A specially designed facility in which to provide required organizational maintenance for the vehicles and equipment supported by OMS 11 and 19 and modifications to an existing OMS building in which to provide organizational maintenance for vehicles and equipment supported by OMS 12. (Current Mission)</p> <p><u>REQUIREMENT:</u> A facility requirement of 29,772 SF is necessary to enable organizational level maintenance to be performed on vehicles and equipment authorized by the Table of Organization and Equipment for the supported units.</p> <p><u>CURRENT SITUATION:</u> The two existing OMS shops contain 9,012 SF. OMS 19, constructed in 1931 as a 12,000 SF unheated storage facility, is seriously deteriorated and totally inadequate as an OMS facility. The combined OMS 11 and 12 was constructed in 1979 as a 9012 SF OMS facility. This facility is of inadequate size to accommodate both OMS 11 and OMS 12 but with minor modification/alterations will be of adequate size to support OMS 12. The proposed new facility will house OMS 11 and OMS 19.</p> <p><u>IMPACT IF NOT PROVIDE:</u> Unit readiness will be degraded and the quality of work will continue to decrease due to deficient work and storage areas in which to perform required maintenance and administrative duties.</p>					

1. COMPONENT ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE 93
3. INSTALLATION AND LOCATION CAMP RIPLEY (LITTLE FALLS), MINNESOTA		
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOPS	5. PROJECT NUMBER 270088	

12. SUPPLEMENTAL DATA:

a. ESTIMATED DESIGN DATA:

(1) STATUS:

(a) Date Design Started..... 1/90

(b) Percent complete as of 1 January 93..... 100%

(c) Date Design Expected to be 35% Complete.. 8/90

(d) Date Design Completed..... 4/92

(2) BASIS:

(a) Standard or Definitive Design - Yes      No X

(b) Where was Design Previously Used? N/A

(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)

(a) Production of Plans and Specifications... (0)

(b) All Other Design Costs..... (0)

(c) Total..... (88)

(d) Contract..... (88)

(e) In-House..... (0)

(4) CONSTRUCTION START..... 10/93

b. Equipment associated with this project which will be provided from other appropriations:

Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost (\$000)
Office Equip	AMSCO 529891.30	94	14
Telephone Equip	AMSCO 529895.11	94	6
Furnishings	AMSCO 519891.30	94	25



1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 12 MAR 92
3. INSTALLATION AND LOCATION FORT HARRISON, HELENA, MONTANA		4. AREA CONSTR COST INDEX 90.9
5. FREQUENCY AND TYPE UTILIZATION  FORT WILLIAM HENRY HARRISON IS A YEAR-ROUND TRAINING FACILITY, UTILIZED APPROXIMATELY 40-45 WEEKENDS OUT OF THE 52 PER YEAR AND IS MANNED 52 WEEKS OF THE YEAR BY FULL TIME PERSONNEL.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS		
ARNG:	FT HARRISON SEE #3	TRAINING SITE 1700 AC 1920
	FT HARRISON (.6 MILES)	200 ARMORY 13,000 SF 1969
	HELENA, MT (6.0 MILES)	250 ARMORY 30,000 SF 1939
	HELENA, MT (8.0 MILES)	AASF & 200 ARMORY 40,000 SF 1975
USAR:	HELENA, MT (6.0 MILES)	TRAINING SITE 15,000 SF 1970
7. PROJECTS REQUESTED IN THIS PROGRAM		
CATEGORY CODE	PROJECT TITLE	SCOPE
171	MEDICAL UNIT TRAINING FACILITY	4,648 SF
		COST (\$000) 501
		DESIGN STATUS START 11/89 COMPLETE 05/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.		
9. LAND ACQUISITION REQUIRED NONE		15 MAR 92 (Date) 0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
PROJECT	FY	COST (\$000)
ARMY AVIATION SUPPORT FACILITY (AH-64) FT HARRISON	95	\$10,756
DLOG/CLASS IX	96	796
BATTALION SUPPORT COMPLEX	96	6,067
MILITARY EDUCATION CENTER	97	4,342
FIRE STATION	97	334
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"		

1. COMPONENT  ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  3 1993																											
3. INSTALLATION AND LOCATION  FORT HARRISON, HELENA, MONTANA																													
11. PERSONNEL STRENGTH AS OF 30 SEP 92																													
	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;"></th> <th style="width: 10%;"><u>TOTAL</u></th> <th style="width: 10%;"><u>OFFICER</u></th> <th style="width: 10%;"><u>ENLISTED</u></th> <th style="width: 10%;"><u>CIVILIAN</u></th> <th style="width: 15%;"></th> <th style="width: 10%;"><u>TOTAL</u></th> <th style="width: 10%;"><u>OFFICER</u></th> <th style="width: 10%;"><u>ENLISTED</u></th> </tr> <tr> <td>AUTHORIZE</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> <td style="text-align: right;">3447</td> <td style="text-align: right;">418</td> <td style="text-align: right;">3029</td> </tr> <tr> <td>ACTUAL</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td></td> <td style="text-align: right;">3512</td> <td style="text-align: right;">417</td> <td style="text-align: right;">3095</td> </tr> </table>		<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>		<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	AUTHORIZE	_____	_____	_____	_____		3447	418	3029	ACTUAL	_____	_____	_____	_____		3512	417	3095	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>		<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>																					
AUTHORIZE	_____	_____	_____	_____		3447	418	3029																					
ACTUAL	_____	_____	_____	_____		3512	417	3095																					
12. RESERVE UNIT DATA																													
UNIT DESIGNATION	STRENGTH																												
ALL MONTANA ARMY NATIONAL GUARD	AUTHORIZED	ACTUAL																											
	3447	3512																											
13. MAJOR EQUIPMENT AND AIRCRAFT																													
TYPE	AUTHORIZED	ACTUAL																											
N/A																													
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																													
	(\$000)																												
A. AIR POLLUTION	NONE																												
B. WATER POLLUTION	NONE																												
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																												

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1993	
3. INSTALLATION AND LOCATION FORT HARRISON, HELENA, MONTANA			4. PROJECT TITLE MEDICAL UNIT TRAINING FACILITY		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 300054	8. PROJECT COST (\$000) 501		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				390	
MEDICAL UNIT TRAINING FACILITY.....	SF	4648	84.00	( 390)	
SUPPORTING FACILITIES.....				78	
SITE PREPARATION.....	LS	-	-	( 17)	
GRADING, SEEDING.....	LS	-	-	( 5)	
PARKING: POV.....	SY	2778	14.00	( 39)	
SIDEWALKS.....	SF	600	2.00	( 1)	
UTILITIES.....	LS	-	-	( 16)	
SUBTOTAL.....				468	
CONTINGENCY (5%).....				23	
SUPERVISION, INSP & OVERHEAD (2.00%).....				10	
TOTAL REQUEST.....				501	
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD				( 40)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>A specially designed facility of permanent masonry type construction, brick and concrete block units, with built-up roof and concrete floors. Structure will be a one story building with medical and dental training areas, observation wards, office and administrative area.</p> <p><u>Air Conditioning: 3.5 tons</u></p> <p>11. REQUIREMENT: 4,648 SF ADEQUATE: 0 SF SUBSTANDARD: 1,300 SF</p> <p>PROJECT: A new facility to serve the medical and dental unit training needs of the MT ARNG Medical Units. (Current Mission)</p> <p>REQUIREMENT: This proposed project is necessary to provide adequate medical and dental training facilities.</p> <p>CURRENT SITUATION: The medical units are currently conducting training in a 1,300 SF concrete block building which was converted from a training site orderly room.</p> <p>IMPACT IF NOT PROVIDED: Medical units conducting annual training or inactive duty training will continue to train in inadequate and overcrowded facilities. Troop morale and readiness will be degraded and recruiting/retention may be adversely affected.</p>					

1. COMPONENT <b>ARNG</b>	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>1993</b>
3. INSTALLATION AND LOCATION <b>FORT HARRISON, HELENA, MONTANA</b>		
4. PROJECT TITLE <b>MEDICAL UNIT TRAINING FACILITY</b>		5. PROJECT NUMBER <b>300054</b>
12. SUPPLEMENTAL DATA:		
a. ESTIMATED DESIGN DATA:		
(1) STATUS:		
(a) Date Design Started..... <u>11/89</u>		
(b) Percent complete as of 1 January 93..... <u>95%</u>		
(c) Date Design Expected to be 35% Complete.. <u>10/90</u>		
(d) Date Design Completed..... <u>5/93</u>		
(2) BASIS:		
(a) Standard or Definitive Design - Yes <u>    </u> No <u>X</u>		
(b) Where was Design Previously Used? <u>N/A</u>		
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e):                    (\$000)		
(a) Production of Plans and Specifications... ( <u>0</u> )		
(b) All Other Design Costs..... ( <u>0</u> )		
(c) Total..... ( <u>24</u> )		
(d) Contract..... ( <u>24</u> )		
(e) In-House..... ( <u>0</u> )		
(4) CONSTRUCTION START..... <u>3/94</u>		
b. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>
		Cost (#000)
Furniture	AMSCO 519891.30	94                    40

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE DEC 92
3. INSTALLATION AND LOCATION FAYETTEVILLE, NORTH CAROLINA			4. AREA CONSTR COST INDEX 79.2
5. FREQUENCY AND TYPE UTILIZATION  NORMAL ADMINISTRATION FIVE (5) DAYS PER WEEK WITH A TWO (2) DAY TRAINING ASSEMBLY PER MONTH.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS			
ARNG: PARETON	(17 MILES)	ARMORY	16,330 SF 1985
SAINT PAULS	(17 MILES)	ARMORY	13,401 SF 1958
ACTIVE: FORT BRAGG		(8.0 MILES)	18TH CORPS & AIRBORNE DIVISION
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
214	ORGANIZATIONAL MAINTENANCE SHOP	6,055 SF	473
			DESIGN STATUS START COMPLETE 04/90 09/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			
FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.			09 DEC 92 (Date)
9. LAND ACQUISITION REQUIRED			
NONE			0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
NONE			
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"			

1. COMPONENT <b>ARNG</b>	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE <b>1993</b>								
3. INSTALLATION AND LOCATION <b>FAYETTEVILLE, NORTH CAROLINA</b>										
11. PERSONNEL STRENGTH AS OF <b>30 SEP 92</b>										
	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">PERMANENT OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> <th style="width: 15%; text-align: center;">CIVILIAN</th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">GUARD/RESERVE OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> </tr> </table>		TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED	
	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED			
AUTHORIZE	<u>9</u>	<u>      </u>	<u>9</u>	<u>      </u>	<u>696</u>	<u>48</u>	<u>648</u>			
ACTUAL	<u>7</u>	<u>      </u>	<u>7</u>	<u>      </u>	<u>731</u>	<u>44</u>	<u>687</u>			
12. RESERVE UNIT DATA										
UNIT DESIGNATION	STRENGTH									
					AUTHORIZED	ACTUAL				
1ST BATTALION, 252D ARMOR					544	592				
UIC WPJAA										
TSPN 14030										
 TROOP E, 196TH CALVARY					 152	 139				
UIC WVGAA										
TSPN 14030										
TOTAL					696	731				
13. MAJOR EQUIPMENT AND AIRCRAFT										
TYPE					AUTHORIZED	ACTUAL				
WHEELED VEHICLES					101	94				
TRACKED VEHICLES					152	139				
TRAILERS					37	33				
					290	266				
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES										
	(\$000)									
A. AIR POLLUTION	NONE									
B. WATER POLLUTION	NONE									
C. OCCUPATIONAL SAFETY AND HEALTH	NONE									

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 11/1/93	
3. INSTALLATION AND LOCATION FAYETTEVILLE, NORTH CAROLINA			4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 214	7. PROJECT NUMBER 370030		8. PROJECT COST (\$000) 473
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					268
ORGANIZATIONAL MAINTENANCE SHOP.....		SF	4,895	50.00	( 245)
FLAMMABLE MATERIAL STORAGE BUILDING.....		SF	110	20.00	( 2)
UNHEATED STORAGE BUILDING.....		SF	750	20.00	( 15)
CONTROLLED WASTE HANDLING FACILITY.....		SF	300	20.00	( 6)
SUPPORTING FACILITIES.....					176
SITE PREPARATION, GRADING & DRAINAGE.....		LS	-	-	( 50)
FUEL STORAGE & DISPENSING SYSTEM.....		LS	-	-	( 25)
FENCING.....		LF	475	13.00	( 6)
PAVING (FLEXIBLE).....		SY	2,900	12.00	( 36)
PAVING (RIGID).....		SY	300	28.00	( 9)
WASH RACK.....		LS	-	-	( 15)
LUBE & INSPECTION RACK.....		LS	-	-	( 15)
UTILITIES: WATER/SEWER/GAS/TELECOM.....		LS	-	-	( 20)
SUBTOTAL.....					444
CONTINGENCY (5%).....					22
SUPERVISION, INSP & OVERHEAD (1.60%).....					7
TOTAL REQUEST.....					473
EQUIP PROVIDED FROM OTHER APPR .....NON ADD					( 2)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Consists of a maintenance facility with 3 work bays, plus an administrative/work area constructed of masonry walls, a built-up or standing seam metal roof, and concrete floors. Additional features include a flammable materials storage space, fuel storage and dispensing system, wash platform, lube & inspection rack. Controlled Waste Handling Facility and an unheated storage building. <u>Air Conditioning: 1 1/2 tons</u>					
11. REQUIREMENT: 6,055 SF ADEQUATE: 0 SF SUBSTANDARD: 2,490 SF <u>PROJECT:</u> A new maintenance shop to provide organizational maintenance for the vehicles and equipment supported by this maintenance shop. (Current Mission) <u>REQUIREMENT:</u> A facility requirement for 6,055 SF is requested to permit maintenance at organizational level to be performed on vehicles and equipment of the supported units. <u>CURRENT SITUATION:</u> The existing shop contains 2,490 SF and was constructed in 1941. This facility is inadequate in the following areas: administrative, rest room, locker room, and battery room. The shop does not have an efficient system to control waste water from the cleaning of equipment and vehicles. The inspection and lube rack is obsolete, and the heating, lighting, and ventilation are inadequate in the existing facility. Existing facilities will be disposed of in accordance with State Law after the new shop has been occupied. <u>IMPACT IF NOT PROVIDED:</u> The quality of work will decrease due to deficient work and storage areas to perform administrative and maintenance duties.					



1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993
3. INSTALLATION AND LOCATION FAYETTEVILLE, NORTH CAROLINA		
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP		5. PROJECT NUMBER 370030
12. SUPPLEMENTAL DATA:		
a. ESTIMATED DESIGN DATA:		
(1) STATUS:		
(a) Date Design Started..... <u>4/90</u>		
(b) Percent complete as of 1 January 93..... <u>100%</u>		
(c) Date Design Expected to be 35% Complete.. <u>9/91</u>		
(d) Date Design Completed..... <u>9/92</u>		
(2) BASIS:		
(a) Standard or Definitive Design - Yes <u>    </u> No <u>X</u>		
(b) Where was Design Previously Used? <u>N/A</u>		
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)		
(a) Production of Plans and Specifications... <u>( 0 )</u>		
(b) All Other Design Costs..... <u>( 0 )</u>		
(c) Total..... <u>( 21 )</u>		
(d) Contract..... <u>( 21 )</u>		
(e) In-House..... <u>( 0 )</u>		
(4) CONSTRUCTION START..... <u>10/93</u>		
b. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>
Telephone Equipment	AMSCO 529895.10	94
Furniture	AMSCO 519891.30	94
		Cost <u>(\$000)</u>
		1
		1

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1993
3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA				4. AREA CONSTR COST INDEX	
5. FREQUENCY AND TYPE UTILIZATION  NORMAL ADMINISTRATION AND OPERATIONS FIVE (5) DAYS PER WEEK AND A TWO (2) DAY TRAINING ASSEMBLY PER MONTH.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG:	BISMARCK	(6 MILES)	800 ARMORY	141,364 SF	1988
	BISMARCK	(6 MILES)	OMS	15,600 SF	1989
	BISMARCK	(ON SITE)	AASF & ARMORY	37,988 SF	1976
USAR:	BISMARCK	(4 MILES)	ARMORY		
	BISMARCK	(4 MILES)	AMSA		
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
211	AVIATION C-12 HANGAR	19,794 SF	1297	08/90	03/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION FACILITIES IDENTIFIED IN ITEM 6 HAS BEEN EXAMINED BY THE STATE RESERVE FORCES FACILITIES BOARD FOR POSSIBLE JOINT EXPANSION. THE BOARD RECOMMENDATIONS ARE UNILATERAL CONSTRUCTION.					
9. LAND ACQUISITION REQUIRED NONE				08 SEP 92 (Date) 0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
PROJECT		FY		COST (\$000)	
ARMORY		96		3,193	
ARMY AVIATION SUPPORT FACILITY ALTERATION		96		478	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"					

1. COMPONENT ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE 0333																											
3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA																													
11. PERSONNEL STRENGTH AS OF 30 SEP 92																													
	<table border="0" style="width: 100%;"> <tr> <th style="text-align: left;">TOTAL</th> <th style="text-align: center;">PERMANENT</th> <th style="text-align: center;">OFFICER</th> <th style="text-align: center;">ENLISTED</th> <th style="text-align: center;">CIVILIAN</th> <th style="text-align: left;">TOTAL</th> <th style="text-align: center;">GUARD/RESERVE</th> <th style="text-align: center;">OFFICER</th> <th style="text-align: center;">ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>3916</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>ACTUAL</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>3994</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </table>	TOTAL	PERMANENT	OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE	OFFICER	ENLISTED	AUTHORIZE	_____	_____	_____	_____	3916	N/A	N/A	N/A	ACTUAL	_____	_____	_____	_____	3994	N/A	N/A	N/A	
TOTAL	PERMANENT	OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE	OFFICER	ENLISTED																					
AUTHORIZE	_____	_____	_____	_____	3916	N/A	N/A	N/A																					
ACTUAL	_____	_____	_____	_____	3994	N/A	N/A	N/A																					
12. RESERVE UNIT DATA																													
UNIT DESIGNATION		STRENGTH																											
C-12 AIRCRAFT SUPPORTS ALL NORTH DAKOTA ARMY NATIONAL GUARD		<table border="0" style="width: 100%;"> <tr> <th style="text-align: left;">AUTHORIZED</th> <th style="text-align: left;">ACTUAL</th> </tr> <tr> <td>3916</td> <td>3994</td> </tr> </table>	AUTHORIZED	ACTUAL	3916	3994																							
AUTHORIZED	ACTUAL																												
3916	3994																												
13. MAJOR EQUIPMENT AND AIRCRAFT																													
TYPE	AUTHORIZED	ACTUAL																											
C-12	1	1																											
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																													
(\$000)																													
A. AIR POLLUTION	NONE																												
B. WATER POLLUTION	NONE																												
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																												

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 10-93	
3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA			4. PROJECT TITLE AVIATION C-12 HANGAR		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 211	7. PROJECT NUMBER 380064		8. PROJECT COST (\$000) 1,297
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					825
C-12 HANGAR.....		SF	8,686	47.00	( 408)
OPERATIONAL STORAGE.....		SF	11,108	37.50	( 417)
SUPPORTING FACILITIES.....					393
SITE PREPARATION/FINE GRADE/SEEDING.....		LS	-	-	( 177)
PLANTING.....		LS	-	-	( 35)
FENCING.....		LF	300	10.00	( 3)
ACCESS APRONS.....		SY	2,489	36.00	( 90)
FLEXIBLE PAVINGS.....		SY	1,720	20.00	( 35)
SIDEWALKS.....		SF	1,000	3.00	( 3)
UTILITIES: WATER\SEWER\GAS\ELEC.....		LS	-	-	( 50)
SUBTOTAL.....					1,218
CONTINGENCY (5%).....					61
SUPERVISION, INSP & OVERHEAD (1.42%).....					18
TOTAL REQUEST.....					1,297
EQUIP PROVIDED FROM OTHER APPR .....NON ADD					( 13)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Consists of a specially designed aviation facility of permanent masonry type construction, brick and concrete block exterior walls, concrete block interior walls, single membrane roof and concrete floors. A one story structure with all necessary mechanical and electrical equipment and outside supporting facilities.					
<u>Air Conditioning: 2 tons</u>					
11. REQUIREMENT: 42,898 SF ADEQUATE: 22,104 SF SUBSTANDARD: 0 SF					
PROJECT: Proposed construction consists of an aircraft hangar to provide protection and security for a regional support C-12 aircraft. The facility will include administrative offices, repair and parts room, and a maintenance area. (New Mission)					
REQUIREMENT: A facility requirement for 42,898 SF is necessary to provide security of aircraft parts and tools, as well as provide operational storage of the assigned aircraft and an all weather maintenance facility for the C-12 aircraft.					
CURRENT SITUATION: The existing Army Aviation Support Facility hangar is being used to capacity for required maintenance of assigned aircraft and leased facilities are currently being used to house Beech Aircraft Services Inc. and it's maintenance contract. There is no facility currently available to provide the function that this construction would provide. The current facility was constructed in 1976, is in excellent condition.					
IMPACT IF NOT PROVIDED: If not provided, proper maintenance and security of the C-12 cannot be assured, and a substandard facility will have to be leased. This situation will degrade ongoing training support programs and increase the costs associated with this training.					

1. COMPONENT ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE 12/1/93												
3. INSTALLATION AND LOCATION BISMARCK, NORTH DAKOTA														
4. PROJECT TITLE AVIATION C-12 HANGAR	5. PROJECT NUMBER 380064													
<p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. ESTIMATED DESIGN DATA:</p> <p style="margin-left: 80px;">(1) STATUS:</p> <p style="margin-left: 120px;">(a) Date Design Started..... <u>8/90</u></p> <p style="margin-left: 120px;">(b) Percent complete as of 1 January 93..... <u>65%</u></p> <p style="margin-left: 120px;">(c) Date Design Expected to be 35% Complete.. <u>6/91</u></p> <p style="margin-left: 120px;">(d) Date Design Completed..... <u>3/93</u></p> <p style="margin-left: 80px;">(2) BASIS:</p> <p style="margin-left: 120px;">(a) Standard or Definitive Design - Yes <u>      </u> No <u>X</u></p> <p style="margin-left: 120px;">(b) Where was Design Previously Used? <u>N/A</u></p> <p style="margin-left: 80px;">(3) COST (TOTAL) (c) = (a)+(b) or (d)+(a): <span style="float: right;">(\$000)</span></p> <p style="margin-left: 120px;">(a) Production of Plans and Specifications... <span style="float: right;">(<u>0</u>)</span></p> <p style="margin-left: 120px;">(b) All Other Design Costs..... <span style="float: right;">(<u>0</u>)</span></p> <p style="margin-left: 120px;">(c) Total..... <span style="float: right;">(<u>48</u>)</span></p> <p style="margin-left: 120px;">(d) Contract..... <span style="float: right;">(<u>48</u>)</span></p> <p style="margin-left: 120px;">(e) In-House..... <span style="float: right;">(<u>0</u>)</span></p> <p style="margin-left: 80px;">(4) CONSTRUCTION START..... <u>4/94</u></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 80px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 25%;">Equipment <u>Nomenclature</u></th> <th style="text-align: left; width: 25%;">Procuring <u>Appropriation</u></th> <th style="text-align: left; width: 25%;">Fiscal Year Appropriated <u>or Requested</u></th> <th style="text-align: left; width: 25%;">Cost <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Telephone Equip</td> <td>AMSCO 529895.10</td> <td>94</td> <td>3</td> </tr> <tr> <td>Furniture</td> <td>AMSCO 519891.30</td> <td>94</td> <td>10</td> </tr> </tbody> </table>			Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost <u>(\$000)</u>	Telephone Equip	AMSCO 529895.10	94	3	Furniture	AMSCO 519891.30	94	10
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost <u>(\$000)</u>											
Telephone Equip	AMSCO 529895.10	94	3											
Furniture	AMSCO 519891.30	94	10											

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA			4. AREA CONSTR COST INDEX 88.0	
5. FREQUENCY AND TYPE UTILIZATION  TO BE USED TWENTY (20) WEEKENDS ANNUALLY BY UNITS OF THE NORTH DAKOTA ARMY NATIONAL GUARD CONDUCTING INACTIVE DUTY TRAINING AND EIGHT (8) WEEKS PER YEAR FOR UNITS CONDUCTING ANNUAL TRAINING.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARNG: CANDO	(35 MILES)	60 PERSON ARMORY	15204 SF	1957
RUGBY	(57 MILES)	60 PERSON ARMORY	18793 SF	1957
CARRINGTON	(57 MILES)	60 PERSON ARMORY	13634 SF	1941
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE
179	MODIFIED RECORD FIRE RANGE (RETS)	16 LANES	1,038	01/92 07/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMEND UNILATERAL CONSTRUCTION.				8 SEP 92 (Date)
9. LAND ACQUISITION REQUIRED				0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT	FY	COST (\$000)		
HEATING PLANT	94	1,826		
KNOWN DISTANCE RANGE	96	482		
CSMS ADDITION	96	1,800		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".				

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE APR 93			
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	3916	416	3500
ACTUAL	_____	_____	_____	_____	3994	433	3561
12. RESERVE UNIT DATA							
UNIT DESIGNATION				STRENGTH			
				<u>AUTHORIZED</u>	<u>ACTUAL</u>		
ALL NORTH DAKOTA ARMY NATIONAL GUARD				3,916	3,994		
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE		AUTHORIZED		ACTUAL			
N/A							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
				(\$000)			
A. AIR POLLUTION				NONE			
B. WATER POLLUTION				NONE			
C. OCCUPATIONAL SAFETY AND HEALTH				NONE			



1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 11/83	
3. INSTALLATION AND LOCATION CAMP GRAFTON, (DEVILS LAKE), NORTH DAKOTA			4. PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS)		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 380059		8. PROJECT COST (\$000) 1,038
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					638
16 LANE RANGE.....		LS	-	-	( 164)
CONTROL TOWER.....		LS	-	-	( 36)
DATACABLE/WIRING HARNESS.....		LS	-	-	( 408)
EARTHWORK.....		LS	-	-	( 30)
SUPPORTING FACILITIES.....					336
SITE PREPARATION/CLEARING, GRUBBING.....		LS	-	-	( 150)
TARGET STORAGE/AMMO BUILDING.....		SF	1000	42.00	( 42)
MESS/LATRINE.....		SF	1000	39.00	( 39)
BREAK/CONCURRENT TRAINING BLEACHERS.....		SF	576	40.00	( 23)
PARKING/ACCESS ROAD.....		SY	2050	7.10	( 15)
UTILITIES.....		LS	-	-	( 67)
SUBTOTAL.....					974
CONTINGENCY (5%).....					49
SUPERVISION, INSP & OVERHEAD (1.45%).....					15
TOTAL REQUEST.....					1,038
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD					( 341)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
A 16-lane Modified Record Fire Range with the pop-up targets that simulate enemy soldiers, light vehicles and bunkers, from 50 meter to 300 meter, fully controlled and scored by a computer mounted in the control tower. The following supporting facilities are required: target storage and repair building, ammunition breakdown building, male/female latrines, mess shelter, break/concurrent training area.					
<u>Air Conditioning: 1 ton for control tower</u>					
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A					
<u>PROJECT:</u> A 16-lane Modified Record Fire Range for rifle qualification and practice engagement of targets in a simulated combat environment. (Current Mission)					
<u>REQUIREMENT:</u> This range is required for all units of the North Dakota Army National Guard to accomplish necessary combat weapons training and qualification during inactive duty training periods, thus saving annual training time for collective training and maneuvers.					
<u>CURRENT SITUATION:</u> There is no Modified Record Fire Range in the state. Individual rifle qualification is being done on 25 meter basic zero ranges. These ranges do not provide the realism in training required to meet combat training objectives. The nearest facility of the proposed type is Camp Grayling, MI which is not practical to use for training NDARNG troops.					
<u>IMPACT IF NOT PROVIDED:</u> If not provided, units will continue to train on inadequate ranges. The combat weapons training requirements will not be met, thus degrading overall readiness.					

1. COMPONENT ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE 1993								
3. INSTALLATION AND LOCATION CAMP GRAFTON, (DEVILS LAKE), NORTH DAKOTA										
4. PROJECT TITLE MODIFIED RECORD FIRE RANGE (RETS)	5. PROJECT NUMBER 380059									
12. SUPPLEMENTAL DATA										
<p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started.....<u>1/92</u></p> <p>(b) Percent complete as of 1 January 1993.....<u>100%</u></p> <p>(c) Date Design Expected to be 35% Complete.....<u>3/92</u></p> <p>(d) Date Design Completed.....<u>7/92</u></p> <p>(2) BASIS:</p> <p>(a) Standard of definitive Design - Yes <u>X</u> No <u>    </u></p> <p>(b) Where was Design Previously Used? <u>HNDM 1110-1-5</u></p> <p>(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)</p> <p>(a) Production of Plans and Specifications.....(<u>0</u>)</p> <p>(b) All other design costs.....(<u>0</u>)</p> <p>(c) Total.....(<u>45</u>)</p> <p>(d) Contract.....(<u>45</u>)</p> <p>(e) In-House.....(<u>0</u>)</p> <p>(4) CONSTRUCTION START..... <u>4/94</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Remote Target System (RETS)</td> <td>OPA</td> <td>94</td> <td>341</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Remote Target System (RETS)	OPA	94	341
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)							
Remote Target System (RETS)	OPA	94	341							

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 2. 1.3	
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA				4. AREA CONSTR COST INDEX	
5. FREQUENCY AND TYPE UTILIZATION  USED SEVEN (7) DAYS PER WEEK FOR NORMAL UTILITY HEATING DURING THE HEATING SEASON (APPROXIMATELY THIRTY (30) WEEKS PER YEAR)					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG: CANDO		(35 MILES)	60 ARMORY	15,204 SF	1957
RUGBY		(57 MILES)	60 ARMORY	18,793 SF	1957
CARRINGTON		(57 MILES)	60 ARMORY	13,624 SF	1941
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE	
171	HEATING PLANT ADDITION	1320 SF	1826	01/91	12/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION N/A					
9. LAND ACQUISITION REQUIRED NONE					
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
PROJECT		FY	COST (\$000)		
MODIFIED RECORD FIRE RANGE (RETS)		94	\$1,038		
KNOWN DISTANCE RANGE		96	482		
COMBINED SUPPORT MAINTENANCE SHOP PAINT SHOP		96	1,800		

1. COMPONENT  ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  .. 883																							
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA																									
11. PERSONNEL STRENGTH AS OF 30 SEP 92																									
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	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED																		
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12. RESERVE UNIT DATA																									
UNIT DESIGNATION	STRENGTH																								
ALL NORTH DAKOTA ARMY NATIONAL GUARD	AUTHORIZED 3,916	ACTUAL 3,994																							
13. MAJOR EQUIPMENT AND AIRCRAFT																									
TYPE	AUTHORIZED	ACTUAL																							
N/A																									
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																									
	( \$000 )																								
A. AIR POLLUTION	NONE																								
B. WATER POLLUTION	NONE																								
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																								

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 12/83	
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA			4. PROJECT TITLE HEATING PLANT ADDITION		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 171	7. PROJECT NUMBER 380065	8. PROJECT COST (\$000) 1,826		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....	SF	1,320	75.00	1,499	
BUILDING ADDITION.....	LS	-	-	( 99 )	
EQUIPMENT CONVERSIONS.....				(1,400)	
SUPPORTING FACILITIES.....				216	
DISTRIBUTION SYSTEM.....	LF	1,500	125.00	( 188 )	
SITEWORK.....	LS	-	-	( 5 )	
UTILITIES.....	LS	-	-	( 20 )	
SIDEWALKS.....	SF	1,000	3.00	( 3 )	
SUBTOTAL.....				1,715	
CONTINGENCY (5%).....				86	
SUPERVISION, INSP & OVERHEAD (1.42%).....				25	
TOTAL REQUEST.....				1,826	
EQUIP PROVIDED FROM OTHER FED APPR. NON ADD				( 0 )	
10. DESCRIPTION OF PROPOSED CONSTRUCTION This construction will consist of a specially designed permanent masonry construction to match existing facility, concrete block interior walls open web joint, metal deck, insulated, built-up roof system, concrete floors, and all necessary mechanical and electrical equipment. Additional steam distribution system and utility connections are included in this construction.					
Air Conditioning: None					
11. REQUIREMENT: 0 SF      ADEQUATE: 0 SF      SUBSTANDARD: 0 SF					
PROJECT: Two additional coal fired boilers and supporting control room area to provide additional heating capability for proposed construction at Camp Grafton, North Dakota. In conformance with the current mission, this proposed construction is intended to provide the additional heating capability to adequately support six (6) currently serviced facilities and five (5) additional facilities identified and programmed for construction. (Current Mission)					
REQUIREMENT: The installation of additional boilers is requested to provide the required heating capability for approximately 60,000 SF of additional functional space programmed for construction. It is imperative that this construction project be accomplished prior to a proposed addition to the CSMS at this location. The heating capacity of this additional system is required to service the above mentioned project.					
CURRENT SITUATION: The existing heating system is extremely efficient and is in excellent condition. It is not sized for the proposed additional construction at Camp Grafton. Original studies indicate that this type of system will continue to be more efficient than installation of individual heating plants in new construction.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1993
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA			
4. PROJECT TITLE HEATING PLANT ADDITION		5. PROJECT NUMBER 380065	
<p>11. REQUIREMENT (CONTINUED)</p> <p><u>IMPACT IF NOT PROVIDED:</u> The present system is unable to service additional construction, therefore, as current facilities are expanded to meet the increasing force structure, individual facility heating plants will be needed thereby increasing costs for both installation and energy.</p>			

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 3								
3. INSTALLATION AND LOCATION CAMP GRAFTON (DEVILS LAKE), NORTH DAKOTA										
4. PROJECT TITLE HEATING PLANT ADDITION	5. PROJECT NUMBER 380065									
12. SUPPLEMENTAL DATA:										
<p>a. ESTIMATED DESIGN DATA:</p> <p>(1) STATUS:</p> <p>(a) Date Design Started..... <u>1/91</u></p> <p>(b) Percent complete as of 1 January 93..... <u>100%</u></p> <p>(c) Date Design Expected to be 35% Complete.. <u>2/91</u></p> <p>(d) Date Design Completed..... <u>12/92</u></p> <p>(2) BASIS:</p> <p>(a) Standard or Definitive Design - Yes <u>    </u> No <u>X</u></p> <p>(b) Where was Design Previously Used? <u>N/A</u></p> <p>(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000)</p> <p>(a) Production of Plans and Specifications... ( <u>0</u> )</p> <p>(b) All Other Design Costs..... ( <u>0</u> )</p> <p>(c) Total..... ( <u>77</u> )</p> <p>(d) Contract..... ( <u>77</u> )</p> <p>(e) In-House..... ( <u>0</u> )</p> <p>(4) CONSTRUCTION START..... <u>4/94</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center; padding-top: 10px;">NONE</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	NONE			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)							
NONE										



1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE DEC 92	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH				4. AREA CONSTR COST INDEX 89.0	
5. FREQUENCY AND TYPE UTILIZATION  CAMP WILLIAMS IS A YEAR-ROUND TRAINING SITE USED BY NATIONAL GUARD, ARMY RESERVE, AND ACTIVE DUTY UNITS. WEEK-END USE AVERAGES 42-45 WEEK-ENDS PER YEAR. ANNUAL TRAINING BY RESERVE FORCES AVERAGES 15-20 WEEKS PER YEAR, AND RESERVE AND ACTIVE COMPONENTS 10-12 WEEKS PER YEAR.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS					
ARNG:		AMERICAN FORK (13 MILES)	ARMORY	21,458 SF	1956
		LEHI (7 MILES)	ARMORY	14,386 SF	1958
		MURRAY (16 MILES)	ARMORY	19,727 SF	1955
		WEST JORDAN (11 MILES)	ARMORY	14,822 SF	1977
		WEST JORDAN (11 MILES)	ARMORY	36,194 SF	1977
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
179	INFANTRY SQUAD BATTLE COURSE (RETS)	LS	1,066	11/92	03/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE				09 DEC 92 (Date)	
STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDS UNILATERAL CONSTRUCTION.					
9. LAND ACQUISITION REQUIRED					
				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
PROJECT		FY	COST (\$000)		
MOUT ASSAULT COURSE		94	850		
TISA FACILITY		97	1,174		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".					

1. COMPONENT ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE 920																							
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH																									
11. PERSONNEL STRENGTH AS OF 30 SEP 92																									
	<table border="0" style="width: 100%;"> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">PERMANENT OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> <th style="width: 15%; text-align: center;">CIVILIAN</th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">GUARD/RESERVE OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">5870</td> <td style="text-align: center;">969</td> <td style="text-align: center;">4901</td> </tr> <tr> <td>ACTUAL</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">6171</td> <td style="text-align: center;">911</td> <td style="text-align: center;">5260</td> </tr> </table>		TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED	AUTHORIZE	_____	_____	_____	_____	5870	969	4901	ACTUAL	_____	_____	_____	_____	6171	911	5260
	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED																		
AUTHORIZE	_____	_____	_____	_____	5870	969	4901																		
ACTUAL	_____	_____	_____	_____	6171	911	5260																		
12. RESERVE UNIT DATA																									
UNIT DESIGNATION ARNG/USAR INFANTRY, SPECIAL FORCES AND ENGINEER UNITS FROM UTAH, COLORADO AND CALIFORNIA		<table border="0" style="width: 100%;"> <tr> <th colspan="2" style="text-align: center;">STRENGTH</th> </tr> <tr> <th style="width: 50%; text-align: center;">AUTHORIZED</th> <th style="width: 50%; text-align: center;">ACTUAL</th> </tr> <tr> <td style="text-align: center;">5,870</td> <td style="text-align: center;">6,171</td> </tr> </table>	STRENGTH		AUTHORIZED	ACTUAL	5,870	6,171																	
STRENGTH																									
AUTHORIZED	ACTUAL																								
5,870	6,171																								
13. MAJOR EQUIPMENT AND AIRCRAFT																									
TYPE N/A	AUTHORIZED	ACTUAL																							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																									
	(\$000)																								
A. AIR POLLUTION	NONE																								
B. WATER POLLUTION	NONE																								
C. OCCUPATIONAL SAFETY AND HEALTH	NONE																								

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 143	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH			4. PROJECT TITLE INFANTRY SQUAD BATTLE COURSE (RETS)		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 490058		8. PROJECT COST (\$000) 1,066
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					660
INFANTRY SQUAD BATTLE COURSE.....		LS	-	-	( 660)
SUPPORTING FACILITIES.....					341
SITE PREPARATION.....		LS	-	-	( 25)
CLEARING & GROUNDS.....		AC	18	2100.00	( 38)
SEEDING & EROSION CONTROL.....		AC	18	1500.00	( 27)
PARKING AREA/ACCESS ROADS.....		SY	12000	4.75	( 57)
TARGET STORAGE & REPAIR.....		SF	800	45.00	( 36)
AMMO BREAKDOWN.....		SF	120	55.00	( 7)
COVERED MESS/LATRINE.....		SF	1000	43.00	( 43)
UTILITIES.....		LS	-	-	( 108)
SUBTOTAL.....					1,001
CONTINGENCY (5%).....					50
SUPERVISION, INSP & OVERHEAD (1.45%).....					15
TOTAL REQUEST.....					1,066
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD					( 360)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
New construction of a one lane Infantry Squad Battle Course with control tower, target storage/repair building, ammo breakdown building, covered mess, access road/parking, latrines and utilities.					
<u>Air Conditioning:</u> 1 ton to control tower					
11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A					
PROJECT: A one lane Infantry Squad Battle Course for live fire training and practice engaging targets in a simulated combat environment. (Current Mission)					
REQUIREMENT: This range is needed to support the Utah National Guard and NCO Academy that presently train at the Camp Williams Training Site.					
CURRENT SITUATION: The existing ranges currently in operation don't have simulated combat training where maneuver training with live fire can be performed.					
IMPACT IF NOT PROVIDED: Camp Williams is the only centrally located area that could support this range. Units need to receive this type of training under simulated combat conditions to maintain their readiness posture.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 33	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH			
4. PROJECT TITLE INFANTRY SQUAD BATTLE COURSE (RETS)		5. PROJECT NUMBER 490058	
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started.....11/92			
(b) Percent complete as of 1 January 1993.....80%			
(c) Date Design Expected to be 35% Complete.....3/92			
(d) Date Design Completed.....3/93			
(2) BASIS:			
(a) Standard of definitive Design - Yes <u>X</u> No <u>    </u>			
(b) Where was Design Previously Used? <u>CEHND-1110-1-19</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications.....( 0 )			
(b) All other design costs.....( 0 )			
(c) Total.....( 46 )			
(d) Contract.....( 46 )			
(e) In-House.....( 0 )			
(4) CONSTRUCTION START..... 4/94			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated or Requested</u>	Cost <u>(\$000)</u>
Remoted Target System (RETS)	OPA	94	360

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 0903	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH			4. AREA CONSTR COST INDEX 89.0	
5. FREQUENCY AND TYPE UTILIZATION  CAMP WILLIAMS IS A YEAR-ROUND TRAINING SITE USED BY NATIONAL GUARD, ARMY RESERVE, AND ACTIVE DUTY UNITS. WEEK-END USE AVERAGES 42-45 WEEK-ENDS PER YEAR. ANNUAL TRAINING BY RESERVE FORCES AVERAGES 12-16 WEEKS PER YEAR, AND RESERVE AND ACTIVE COMPONENTS 6-10 WEEKS PER YEAR.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARNG:	AMERICAN FORK (13 MILES)	ARMORY	21,458 SF	1956
	LEHI (7 MILES)	ARMORY	14,386 SF	1958
	MURRAY (16 MILES)	ARMORY	19,727 SF	1955
	WEST JORDAN (11 MILES)	ARMORY	14,822 SF	1977
	WEST JORDAN (11 MILES)	ARMORY	36,194 SF	1977
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE
179	MILITARY OPERATIONS IN URBANIZED TERRAIN (MOUT) ASSAULT COURSE	7 BLDGS	850	12/91 04/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE			09 DEC 92 (Date)	
STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDS UNILATERAL CONSTRUCTION.				
9. LAND ACQUISITION REQUIRED				
			0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
PROJECT	FY	COST (\$000)		
INFANTRY SQD BATTLE COURSE	94	1,066		
TISA FACILITY	97	1,174		
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".				

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 11 90	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	_____	_____	_____	_____	5870	969	4901
ACTUAL	_____	_____	_____	_____	6171	911	5260
12. RESERVE UNIT DATA							
UNIT DESIGNATION					STRENGTH		
ARNG/USAR INFANTRY, SPECIAL FORCES AND ENGINEER UNITS FROM UTAH, COLORADO AND CALIFORNIA					AUTHORIZED	ACTUAL	
					5,870	6,171	
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE					AUTHORIZED		ACTUAL
N/A							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH			4. PROJECT TITLE MILITARY OPERATIONS IN URBANIZED TERRAIN (MOUT) ASSAULT COURSE		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 490087	8. PROJECT COST (\$000) 850		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....	LS	-	-	446	
8 STRUCTURES.....				( 446)	
SUPPORTING FACILITIES.....				352	
SITE PREPARATION AND EROSION CONTROL.....	LS	-	-	( 68)	
OBSERVATION STATIONS.....	LS	-	-	( 5)	
TARGET STORAGE/AMMO BUILDING.....	SF	1000	51.00	( 51)	
COVERED MESS/LATRINE.....	SF	1000	48.00	( 48)	
ACCESS ROAD/REPAIR.....	SY	3200	10.00	( 32)	
UTILITY SYSTEM/FLAG POLE.....	LS	-	-	( 53)	
EARTH WORK.....		-	-	( 90)	
STORM DRAINAGE.....	LS	-	-	( 5)	
SUBTOTAL.....				798	
CONTINGENCY (5%).....				40	
SUPERVISION, INSP & OVERHEAD (1.50%).....				12	
TOTAL REQUEST.....				850	
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				( 15)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>New construction of a Military Operations in Urbanized Terrain (MOUT) Assault Course with an underground sewer trainer, and seven other facilities to represent an urban setting, observation platforms, target storage/repair building, ammo breakdown building, covered mess, access road/parking, latrines and utilities.</p> <p><u>Air Conditioning:</u> NONE</p> <p>11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A</p> <p><u>PROJECT:</u> Construction of a MOUT Assault Course (MAC) for training and practice engaging targets in a simulated combat environment in urbanized areas. (Current Mission)</p> <p><u>REQUIREMENT:</u> This range is needed to support the Utah National Guard and NCO Academy that presently train at the Camp Williams Training Site.</p> <p><u>CURRENT SITUATION:</u> The existing ranges currently in operation are: The pistol range, M-16 known distance range, 25 meter range, M-60/M-2 range, demolition range, hand grenade and field fire range.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Camp Williams is the only centrally located area that could support this range. If not provided, units would have to travel to Fort Benning, Georgia to train on this range. An adverse range situation would exist if not provided. Units required to fire on this range would not be able to qualify and, therefore, not meet a readiness posture.</p>					



1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP WILLIAMS (LEHI), UTAH			
4. PROJECT TITLE MILITARY OPERATIONS IN URBANIZED TERRAIN (MOUT) ASSAULT COURSE		5. PROJECT NUMBER 490087	
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA: -			
(1) STATUS:			
(a) Date Design Started.....12/91			
(b) Percent complete as of 1 January 1993.....80%			
(c) Date Design Expected to be 35% Complete.....3/92			
(d) Date Design Completed.....4/93			
(2) BASIS:			
(a) Standard of definitive Design - Yes <u>X</u> No <u>    </u>			
(b) Where was Design Previously Used? <u>HNDM-1110-1-7</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications.....( <u>0</u> )			
(b) All other design costs.....( <u>0</u> )			
(c) Total.....( <u>38</u> )			
(d) Contract.....( <u>38</u> )			
(e) In-House.....( <u>0</u> )			
(4) CONSTRUCTION START..... <u>4/94</u>			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>or Requested</u>	Cost <u>(\$000)</u>
Target Mechanisms	AMSCO 518893.16	94	15

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION EXISTING ARMORIES IN VARIOUS STATES			4. PROJECT TITLE ARMORY UNIT STORAGE BUILDINGS		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 171	7. PROJECT NUMBER 999411		8. PROJECT COST (\$000) 750
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					550
STORAGE BUILDING.....		LS	-	-	( 550)
SUPPORTING FACILITIES.....					158
SITE PREPARATION.....		LS	-	-	( 90)
FENCING.....		LS	-	-	( 48)
SECURITY LIGHTING.....		LS	-	-	( 20)
SUBTOTAL.....					708
CONTINGENCY (5%).....					30
SUPERVISION, INSP & OVERHEAD (2%).....					12
TOTAL REQUEST.....					750
EQUIP PROVIDED FORM OTHER FED APPR..NON ADD					( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>An unheated pre-engineered metal, pre-cast or masonry building on a concrete slab foundation with minimal lighting and electrical outlets, and gravity ventilation. Support facilities for this type building include security lighting and security fencing.</p> <p><u>Air Conditioning:</u> NONE</p> <p>11. REQUIREMENT: N/A      ADEQUATE: N/A      SUBSTANDARD: N/A</p> <p><u>PROJECT:</u> The various States have identified a shortage in armory unit storage, estimated at \$6.1 million for 50 buildings of various sizes and capacities. These warehouses, with minimal support features, will be constructed adjacent to existing armories. This is a multi year program, with this phase acquiring approximately 10 storage buildings for various locations throughout the country.</p> <p><u>REQUIREMENT:</u> These facilities are required to supplement the existing inadequate supply rooms at armories where increases in pre-mobilization mission has outstripped all storage capabilities.</p> <p><u>CURRENT SITUATION:</u> Most armories do not have adequate space within the existing building to Store and safeguard the equipment issued under current Authorized Level of Organization (ALO) for mobilization.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Increase amounts of authorized supplies and equipment must be safeguarded and be reasonably secure from the elements. Other training and administrative space will be converted into secure storage space with the adverse effects on the unit's training and readiness mission.</p>					

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION EXISTING ARMORIES IN VARIOUS STATES			4. PROJECT TITLE INDOOR RANGE MODERNIZATION		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 179	7. PROJECT NUMBER 999914		8. PROJECT COST (\$000) 637
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					500
INDOOR RANGES.....		LS	-	-	( 500)
SUPPORTING FACILITIES.....					93
SITE PREPARATION.....		LS	-	-	( 93)
SUBTOTAL.....					593
CONTINGENCY (5%).....					31
SUPERVISION, INSP & OVERHEAD (2%).....					13
TOTAL REQUEST.....					637
EQUIP PROVIDED FORM OTHER FED APPR..NON ADD					( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Correct environmental conditions, remove hazardous lead particles contamination at armory indoor rifle ranges, install ventilation systems, air exhaust systems, adequate bullet traps and acoustical treatment. Construct new ranges if necessary with these same features. <u>Air Conditioning: NONE</u>					
11. REQUIREMENT: N/A      ADEQUATE: N/A      SUBSTANDARD: N/A <u>PROJECT:</u> Modernize or replacement of closed indoor rifle ranges are required for small arms and marksmanship training for members of reserve components assigned at various locations throughout the country. This is a multi year program to correct the deficiencies which have closed indoor ranges at 100 armories. If range modernization is not cost effective, replacement indoor ranges will be constructed. Approximately 10 closed ranges will be corrected during this phase of the program. <u>REQUIREMENT:</u> The States have identified indoor ranges that are closed or severely curtailed because of hazardous amounts of airborne lead and lead oxide particles, lack of ventilation, inadequate acoustics and other health and safety problems. Return of these ranges to functional training use is required to acquire necessary individual weapons and marksmanship training by assigned Army National Guard units during periods of inactive duty training. <u>CURRENT SITUATION:</u> The indoor ranges are closed, limited, or severely restricted because of health risk to military personnel. <u>IMPACT IF NOT PROVIDED:</u> The lack of marksmanship familiarization and qualification practice during inactive duty training periods will effect combat readiness.					

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE	
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT			4. AREA CONSTR COST INDEX .88	
5. FREQUENCY AND TYPE UTILIZATION  THIS FACILITY IS USED BY THE FULL-TIME WORK/FORCE 5 DAYS A WEEK AND TWO WEEKENDS PER MONTH.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS				
ARNG:	SO. BURLINGTON (2 MILES)	AASF	39,744 SF	1954
	WINOOSKI (2 MILES)	ARMORY	12,365 SF	1955
	WILLISTON (6 MILES)	ARMORY	12,294 SF	1958
	BURLINGTON (8 MILES)	ARMORY	19,630 SF	1957
USAR:	COLCHESTER (.5 MILES)	ARMORY	21,241 SF	1984
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE
214	ORGANIZATIONAL MAINTENANCE SHOP	10,835 SF	1002	11/88      11/90
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION				
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE			19 FEB 92 (Date)	
STATE RESERVE FORCES FACILITY BOARD FOR POSSIBLE JOINT USE/ EXPANSION. THE BOARD RECOMMENDED UNILATERAL CONSTRUCTION.				
9. LAND ACQUISITION REQUIRED			0	
NONE			(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
NONE				
<p>"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED"</p>				

1. COMPONENT ARNG		FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE SEP 93	
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT							
11. PERSONNEL STRENGTH AS OF 30 SEP 92							
	<u>TOTAL</u>	<u>PERMANENT OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>GUARD/RESERVE OFFICER</u>	<u>ENLISTED</u>
AUTHORIZE	16	1	15		739	171	568
ACTUAL	16	1	15		719	144	575
12. RESERVE UNIT DATA							
					<u>STRENGTH</u>		
<u>UNIT DESIGNATION</u>					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
HEADQUARTERS 186 FORWARD SUPPORT BATTALION					31	27	
UIC: WV53AA							
TPSN: 0205035							
C COMPANY/186 FORWARD SUPPORT BATTALION					82	66	
UIC: WV53B0							
TPSN: 0205035							
COMPANY B (-) 186 FORWARD SUPPORT BATTALION					198	172	
UIC: WV53D0							
TPSN: 0205035							
HEADQUARTERS, DETACHMENT 86TH AIR TRAFFIC CONTROL BATTALION					69	66	
UIC: WVSHAA							
TPSN: 30611							
(CONTINUED ON PAGE 3)							
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>					<u>AUTHORIZED</u>	<u>ACTUAL</u>	
WHEELED VEHICLES					260	221	
TRAILERS					103	63	
TRACKED VEHICLES					0	1	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							
					(\$000)		
A. AIR POLLUTION					NONE		
B. WATER POLLUTION					NONE		
C. OCCUPATIONAL SAFETY AND HEALTH					NONE		

1. COMPONENT ARNG		2. DATE 1993	
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT			
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP		5. PROJECT NUMBER 500009	
12. RESERVE UNIT DATA (CONTINUED)			
<u>UNIT DESIGNATION</u>		<u>STRENGTH</u>	
		<u>AUTHORIZED</u>	<u>ACTUAL</u>
150 AIR TRAFFIC CONTROL PLATOON/ 86 AIR TRAFFIC CONTROL BATTALION UIC: WVG4AA TPSN: 30613		38	36
186 AVIATION COMPANY UIC: WVF1AO TPSN: 0205003		139	144
HEADQUARTERS/STATE AREA COMMAND-VERMONT UIC: W8BF4A TPSN: 46751		170	196
50 AIR TRAFFIC CONTROL/86 AIR TRAFFIC CONTROL UIC: WVHUAA TPSN: 30613		<u>12</u>	<u>12</u>
TOTAL		739	719

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 293	
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT			4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE 214	7. PROJECT NUMBER 500009		8. PROJECT COST (\$000) 1,002
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY.....					834
ORGANIZATIONAL MAINTENANCE SHOP.....		SP	10835	77.00	( 834)
SUPPORTING FACILITIES.....					106
SITE PREPARATION.....		LS	-	-	( 16)
FUEL STORAGE & DISPENSING SYSTEM.....		LS	-	-	( 35)
FENCING.....		LS	-	-	( 8)
PAVING (FLEXIBLE).....		LS	-	-	( 22)
IN GROUND LIFTS.....		LS	-	-	( 17)
UTILITIES: WATER/SEWER/GAS/TELECOM.....		LS	-	-	( 8)
SUBTOTAL.....					940
CONTINGENCY (5%).....					47
SUPERVISION, INSP & OVERHEAD (1.47%).....					15
TOTAL REQUEST.....					1,002
EQUIP PROVIDED FROM OTHER APPR .....NON ADD					( 6)
10. DESCRIPTION OF PROPOSED CONSTRUCTION A maintenance facility with 8 work bays plus an administrative work area constructed of masonry, built-up roof and concrete floor. Supporting facilities include fuel dispensing system, military vehicle parking, site preparation, and utilities. <u>Air Conditioning: NONE</u> 11. REQUIREMENT: 10,835 SF ADEQUATE; 0 SF SUBSTANDARD; 4,574 SF PROJECT. A new maintenance shop to provide organizational maintenance for the vehicles and equipment supported by this maintenance shop. (Current Mission) <u>REQUIREMENT:</u> A facility requirement for 10,835 SF to permit organizational level maintenance to be performed on additional and new types of vehicles authorized by Table of Organization and Equipment/Table Distribution & Allowances of the supported units. <u>CURRENT SITUATION:</u> The existing shop contains 4,574 SF and is inadequate and cannot support current authorized equipment in an efficient and cost effective manner because of insufficient workbay space, administrative, and storage space. <u>IMPACT IF NOT PROVIDE:</u> The quality of work will decrease and supported unit combat readiness will be adversely affected by inadequate maintenance support space.					



1. COMPONENT ARNG	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE 83
3. INSTALLATION AND LOCATION CAMP JOHNSON (COLCHESTER), VERMONT		
4. PROJECT TITLE ORGANIZATIONAL MAINTENANCE SHOP	5. PROJECT NUMBER 500009	
12. SUPPLEMENTAL DATA:		
a. ESTIMATED DESIGN DATA:		
(1) STATUS: (a) Date Design Started..... <u>11/88</u> (b) Percent complete as of 1 January 93..... <u>100%</u> (c) Date Design Expected to be 35% Complete.. <u>10/89</u> (d) Date Design Completed..... <u>11/90</u>		
(2) BASIS: (a) Standard or Definitive Design - Yes <u>    </u> No <u>X</u> (b) Where was Design Previously Used? <u>N/A</u>		
(3) COST (TOTAL) (c) = (a)+(b) or (d)+(e): (\$000) (a) Production of Plans and Specifications... ( <u>0</u> ) (b) All Other Design Costs..... ( <u>0</u> ) (c) Total..... ( <u>41</u> ) (d) Contract..... ( <u>41</u> ) (e) In-House..... ( <u>0</u> )		
(4) CONSTRUCTION START..... <u>4/94</u>		
b. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>
		<u>Cost</u> <u>(\$000)</u>
Telecommunication	AMSCO 519895.10	94      3
Furniture	AMSCO 515891.30	94      3

1. COMPONENT ARNG	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 4/95
3. INSTALLATION AND LOCATION YAKIMA TRNG CENTER, (YAKIMA) WASHINGTON			4. AREA CONSTR COST INDEX 102.0
5. FREQUENCY AND TYPE UTILIZATION  RANGE WILL BE USED TO SUPPORT 44 WEEKENDS OF INACTIVE DUTY TRAINING AND 16 WEEKS OF ANNUAL TRAINING BY NATIONAL GUARD AND RESERVE COMPONENTS (USAR, USMCR) FROM WASHINGTON, IDAHO AND OREGON. THIS FACILITY WILL ALSO BE USED BY THE ACTIVE COMPONENT.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS			
ARNG:	YAKIMA TRNG CTR	(0 MILES)	MATES 31270 SF 1976
	YAKIMA	(7 MILES)	ARMORY 32880 SF 1921
USAR:	YAKIMA TRNG CTR	(0 MILES)	ARF CENTER 21000 SF 1981
USMCR:	YAKIMA	(9 MILES)	ARF CENTER 35000 SF 1973
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
179	MODIFIED MACHINE GUN/ RIFLE RANGE (RETS)	16 LANES	1,527
			03/92 04/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			
FACILITIES IDENTIFIED IN ITEM 6 HAVE BEEN EXAMINED BY THE			16 APR 92 (Date)
STATE RESERVE FORCES COMPONENT FACILITY BOARD FOR POSSIBLE JOINT USE/EXPANSION. THE BOARD RECOMMENDS UNILATERAL CONSTRUCTION.			
9. LAND ACQUISITION REQUIRED			
NONE			0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
PROJECT	FY	COST (\$000)	
MATES ADDITION/ALTERATION	97	2,628	
"A SITE SURVEY HAS BEEN COMPLETED AND THE SITE IS SUITABLE FOR CONSTRUCTION OF THE PROPOSED PROJECT AT THE ESTIMATED COST INDICATED".			

1. COMPONENT  ARNG	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  10. 1993								
3. INSTALLATION AND LOCATION  YAKIMA TNG CENTER, (YAKIMA) WASHINGTON										
11. PERSONNEL STRENGTH AS OF 30 SEP 92										
	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">PERMANENT OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> <th style="width: 15%; text-align: center;">CIVILIAN</th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">GUARD/RESERVE OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> </tr> </table>		TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED	
	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED			
AUTHORIZE	_____	_____	_____	_____	7598	917	6681			
ACTUAL	_____	_____	_____	_____	6947	812	6135			
12. RESERVE UNIT DATA										
UNIT DESIGNATION					STRENGTH					
ARNG/USAR UNITS FROM THE STATE OF WASHINGTON, IDAHO, OREGON AND MONTANA					AUTHORIZED	ACTUAL				
					7,598	6,947				
13. MAJOR EQUIPMENT AND AIRCRAFT										
TYPE					AUTHORIZED	ACTUAL				
N/A										
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES										
					(\$000)					
A. AIR POLLUTION					NONE					
B. WATER POLLUTION					NONE					
C. OCCUPATIONAL SAFETY AND HEALTH					NONE					

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 17 DEC 93	
3. INSTALLATION AND LOCATION YAKIMA TRAINING CENTER (YAKIMA), WASHINGTON			4. PROJECT TITLE MODIFIED MACHINE GUN RIFLE/RANGE (RETS)		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE 179	7. PROJECT NUMBER 530049	8. PROJECT COST (\$000) 1,527		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....	LS	-	-	( 973)	
MODIFIED MACHINE GUN & RIFLE RANGE.....	SF	120	180.00	( 951)	
CONTROL TOWER.....				( 22)	
SUPPORTING FACILITIES.....				461	
SITE PREPARATION/EROSION CONTROL.....	LS	-	-	( 55)	
RANGE BUILDINGS.....	LS	-	-	( 215)	
ACCESS ROAD, PARKING & SERVICE TRAIL.....	LS	-	-	( 80)	
UTILITIES: ELECTRIC, TELECOM.....	LS	-	-	( 95)	
FLAG POLE.....	LS	-	-	( 2)	
NIGHT LIGHTING.....	LS	-	-	( 14)	
SUBTOTAL.....				1,434	
CONTINGENCY (5%).....				72	
SUPERVISION, INSP & OVERHEAD (1.4%).....				21	
TOTAL REQUEST.....				1,527	
EQUIP PROVIDED FROM OTHER FED APPR..NON ADD				( 638)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>This project consists of construction of a sixteen-lane modified record fire (RETS) rifle range superimposed upon an eight-lane (RETS) machine gun range incorporating the use of computer controlled, pop-up targets to simulate enemy soldiers at varying, unmarked ranges from 50 to 1000 meters. Supporting facilities include an ammunition breakdown building, range control tower and computer building, target storage and maintenance building, latrine facility, concurrent training site, and the required serving utilities. Site preparation, access road and vehicle parking is included in the project.</p> <p><u>Air Conditioning:</u> 1 ton for control tower</p> <p>11. REQUIREMENT: 1 ADEQUATE: N/A SUBSTANDARD: N/A</p> <p><u>PROJECT:</u> Construction of a sixteen-lane modified record fire rifle range superimposed upon a eight-lane machine gun range using remoted electronic target system (RETS). (Current Mission)</p> <p><u>REQUIREMENT:</u> This geographically centralized range is required for use by all units of the Washington Army National Guard and other Reserve Components to accomplish the necessary weapons training and qualification on a weapons training range which simulates realistic combat for use during inactive duty training. The Active Component (7th Division) will also have the need and opportunity to use this training facility.</p> <p><u>CURRENT SITUATION:</u> There are no modified rifle or machine gun ranges using RETS targetry in the State of Washington that meet the minimum U.S. Army standards. Fort Lewis rifle ranges are adequate but time loss due to travel from the eastern portion of the state precludes their use by Eastern Washington ARNG units.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Weapons training objectives in a combat environment will not be adequately met thus the overall individual and unit readiness will be adversely effected.</p>					

1. COMPONENT ARNG'	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 12 1993
3. INSTALLATION AND LOCATION YAKIMA TRAINING CENTER (YAKIMA), WASHINGTON			
4. PROJECT TITLE MODIFIED MACHINE GUN RIFLE/RANGE (RETS)		5. PROJECT NUMBER 530049	
12. SUPPLEMENTAL DATA			
a. ESTIMATED DESIGN DATA:			
(1) STATUS:			
(a) Date Design Started.....3/92			
(b) Percent complete as of 1 January 1993.....75%			
(c) Date Design Expected to be 35% Complete.....6/92			
(d) Date Design Completed.....4/93			
(2) BASIS:			
(a) Standard of definitive Design - Yes <u>X</u> No <u>    </u>			
(b) Where was Design Previously Used? <u>HNDM 1110-1-5</u>			
(3) COST (TOTAL) = (c) = (a)+(b) and (d)+(e) (\$000)			
(a) Production of Plans and Specifications.....( 0 )			
(b) All other design costs.....( 0 )			
(c) Total.....( 64 )			
(d) Contract.....( 0 )			
(e) In-House.....( 64 )			
(4) CONSTRUCTION START..... 3/94			
b. Equipment associated with this project which will be provided from other appropriations:			
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
Remoted Targetry System (RETS)	OPA	94	610
Telecommunication	AMSCO 529895.10	94	28

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION VARIOUS. LOCATIONS			4. PROJECT TITLE PROJECTS \$400,000 AND UNDER		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE N/A	7. PROJECT NUMBER N/A	8. PROJECT COST (\$000) 1,024		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PROJECTS \$400,000 AND UNDER.....					1,024
10. DESCRIPTION OF PROPOSED CONSTRUCTION Projects having a funded cost of \$400,000 or less, including construction, alteration or conversion of permanent or temporary facilities.					
11. REQUIREMENT: Included are specified projects that are described and listed on the subsequent page.					

1. COMPONENT ARNG	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1993
3. INSTALLATION AND LOCATION VARIOUS, LOCATIONS			
4. PROJECT TITLE PROJECTS \$400,000 AND UNDER		5. PROJECT NUMBER N/A	
<u>Station</u>	<u>Cat Code</u>	<u>Project Title</u>	<u>Cost(000)</u>
Hawaii Kauai (PN: 150025)	179	Known Distance Range, Upgrade	334
This project is for the upgrade of a ten point 300 yard Known Distance range into a 400 yard range. Supporting facilities include a target storage building and troop bleachers. This range will allow units on the island to complete training requirements in weapons qualification. (Current Mission)			
Missouri Ft Crowder (PN: 290053)	171	Troop Medical Training Facility	386
This project is for the construction of a 3,600 square feet masonry building. Supporting facilities include sidewalks, parking and utilities. This facility will allow medical personnel to train in their assigned mission while providing medical support at the training site. (Current Mission)			
Vermont Ethan Allen (PN: 500023)	171	Training Site Support Facility	304
This project is for the construction of a 5,000 square feet masonry building with three work bays, administrative area, parts/storage rooms, and carpentry/plumbing/electrical shops. This facility houses the personnel which provides maintenance support to the training site buildings and ranges. (Current Mission)			



1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 0505896A		6. CATEGORY CODE N/A	7. PROJECT NUMBER 999994		8. PROJECT COST (\$000) 522
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY .....					( 400)
CONCEPT AND FINAL DESIGN.....					( 122)
FUTURE YEAR PROJECTS.....					0
SUPPORTING FACILITIES.....					522
SUBTOTAL.....					0
CONTINGENCY (0%).....					522
TOTAL REQUEST.....					
10. DESCRIPTION OF PROPOSED CONSTRUCTION Items provide for concept and final design of construction for Army National Guard facilities.					
11. REQUIREMENT: Funds requested are required for completing the outstanding final design of Military Construction Army National Guard projects programed for execution during FY 95 and for execution of the planned designs of the FY 96 program. Funding for advanced concept design of critical FY 94 projects will be addressed within overall program constraints. The requested funding permits the design of unspecified or undefined minor construction projects intended to be executed during FY 94.					

1. COMPONENT ARNG		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 1997	
3. INSTALLATION AND LOCATION APPROPRIATE ARMY NATIONAL GUARD INSTALLATIONS AS NECESSARY			4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 0505896A	6. CATEGORY CODE N/A	7. PROJECT NUMBER 999904	8. PROJECT COST (\$000) 5,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PRIMARY FACILITY.....				4,900	
MINOR CONSTRUCTION FACILITIES					
UNSPECIFIED LOCATIONS.....				(4,900)	
SUPPORTING FACILITIES.....				0	
SUBTOTAL.....				4,900	
CONTINGENCY (0%).....				0	
SUPERVISION, INSP & OVERHEAD .....				100	
TOTAL REQUEST.....				5,000	
EQUIP PROVIDED FORM OTHER FED APPR..NON ADD				( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Unspecified minor construction projects which have a funded cost of \$400,000 or less, including construction, alteration, or conversion of permanent or temporary facilities or land acquisition as authorized. <u>Air Conditioning: NONE</u>					
11. REQUIREMENT: To provide funds for the construction of projects not otherwise authorized by law when the dollar costs are less than \$400,000. Such requirements are the result of recognized facilities shortfalls, or unforeseen conditions resulting from changes in mission and equipment, or to correct damage caused by severe weather or other acts of nature. Based on prior program execution experience, the dollar costs for correcting these identified shortfalls are such that they do not require specific authorization in the regular Military Construction Program.					

Name		Address		Occupation	
John	Smith	123 Main St	New York	Teacher	Male
Mary	Johnson	456 Elm St	Chicago	Homemaker	Female
Robert	Williams	789 Oak St	Los Angeles	Engineer	Male
Elizabeth	Brown	101 Pine St	San Francisco	Librarian	Female
James	Miller	202 Cedar St	Philadelphia	Doctor	Male
Anna	Davis	303 Birch St	Boston	Artist	Female
Charles	Garcia	404 Maple St	San Antonio	Farmer	Male
Patricia	Lee	505 Walnut St	Portland	Writer	Female
Thomas	White	606 Spruce St	Seattle	Businessman	Male
Linda	Harris	707 Ash St	Denver	Nurse	Female
Michael	Clark	808 Hickory St	San Diego	Student	Male
Jane	King	909 Sycamore St	San Jose	Teacher	Female
David	Wright	1010 Chestnut St	San Francisco	Engineer	Male
Susan	Scott	1111 Elm St	San Francisco	Homemaker	Female
Richard	Green	1212 Oak St	San Francisco	Engineer	Male
Barbara	Adams	1313 Pine St	San Francisco	Librarian	Female
Christopher	Nelson	1414 Cedar St	San Francisco	Student	Male
Michelle	Peterman	1515 Birch St	San Francisco	Artist	Female
Gregory	Young	1616 Maple St	San Francisco	Businessman	Male
Angela	Baker	1717 Walnut St	San Francisco	Homemaker	Female
Benjamin	Wells	1818 Spruce St	San Francisco	Engineer	Male
Stephanie	Reed	1919 Ash St	San Francisco	Librarian	Female
Jonathan	Cook	2020 Hickory St	San Francisco	Student	Male
Karen	Morgan	2121 Sycamore St	San Francisco	Teacher	Female
Matthew	Bell	2222 Chestnut St	San Francisco	Engineer	Male
Christina	Ward	2323 Elm St	San Francisco	Homemaker	Female
Anthony	Tucker	2424 Oak St	San Francisco	Engineer	Male
Kimberly	Black	2525 Pine St	San Francisco	Librarian	Female
Steven	Gray	2626 Cedar St	San Francisco	Student	Male
Heather	Wheeler	2727 Birch St	San Francisco	Artist	Female
Timothy	Hughes	2828 Maple St	San Francisco	Businessman	Male
Deborah	Watts	2929 Walnut St	San Francisco	Homemaker	Female
Eric	Brooks	3030 Spruce St	San Francisco	Engineer	Male
Shirley	James	3131 Ash St	San Francisco	Librarian	Female
Donald	Rice	3232 Hickory St	San Francisco	Student	Male
Janet	Cox	3333 Sycamore St	San Francisco	Teacher	Female
Kenneth	Henderson	3434 Chestnut St	San Francisco	Engineer	Male
Frances	Woods	3535 Elm St	San Francisco	Homemaker	Female
Paul	Barnes	3636 Oak St	San Francisco	Engineer	Male
Carol	Ross	3737 Pine St	San Francisco	Librarian	Female
Mark	Wagner	3838 Cedar St	San Francisco	Student	Male
Shirley	Chapman	3939 Birch St	San Francisco	Artist	Female
Gregory	Parker	4040 Maple St	San Francisco	Businessman	Male
Angela	Evans	4141 Walnut St	San Francisco	Homemaker	Female
Benjamin	Wells	4242 Spruce St	San Francisco	Engineer	Male
Stephanie	Reed	4343 Ash St	San Francisco	Librarian	Female
Jonathan	Cook	4444 Hickory St	San Francisco	Student	Male
Karen	Morgan	4545 Sycamore St	San Francisco	Teacher	Female
Matthew	Bell	4646 Chestnut St	San Francisco	Engineer	Male
Christina	Ward	4747 Elm St	San Francisco	Homemaker	Female
Anthony	Tucker	4848 Oak St	San Francisco	Engineer	Male
Kimberly	Black	4949 Pine St	San Francisco	Librarian	Female
Steven	Gray	5050 Cedar St	San Francisco	Student	Male
Heather	Wheeler	5151 Birch St	San Francisco	Artist	Female
Timothy	Hughes	5252 Maple St	San Francisco	Businessman	Male
Deborah	Watts	5353 Walnut St	San Francisco	Homemaker	Female
Eric	Brooks	5454 Spruce St	San Francisco	Engineer	Male
Shirley	James	5555 Ash St	San Francisco	Librarian	Female
Donald	Rice	5656 Hickory St	San Francisco	Student	Male
Janet	Cox	5757 Sycamore St	San Francisco	Teacher	Female
Kenneth	Henderson	5858 Chestnut St	San Francisco	Engineer	Male
Frances	Woods	5959 Elm St	San Francisco	Homemaker	Female
Paul	Barnes	6060 Oak St	San Francisco	Engineer	Male
Carol	Ross	6161 Pine St	San Francisco	Librarian	Female
Mark	Wagner	6262 Cedar St	San Francisco	Student	Male
Shirley	Chapman	6363 Birch St	San Francisco	Artist	Female
Gregory	Parker	6464 Maple St	San Francisco	Businessman	Male
Angela	Evans	6565 Walnut St	San Francisco	Homemaker	Female
Benjamin	Wells	6666 Spruce St	San Francisco	Engineer	Male
Stephanie	Reed	6767 Ash St	San Francisco	Librarian	Female
Jonathan	Cook	6868 Hickory St	San Francisco	Student	Male
Karen	Morgan	6969 Sycamore St	San Francisco	Teacher	Female
Matthew	Bell	7070 Chestnut St	San Francisco	Engineer	Male
Christina	Ward	7171 Elm St	San Francisco	Homemaker	Female
Anthony	Tucker	7272 Oak St	San Francisco	Engineer	Male
Kimberly	Black	7373 Pine St	San Francisco	Librarian	Female
Steven	Gray	7474 Cedar St	San Francisco	Student	Male
Heather	Wheeler	7575 Birch St	San Francisco	Artist	Female
Timothy	Hughes	7676 Maple St	San Francisco	Businessman	Male
Deborah	Watts	7777 Walnut St	San Francisco	Homemaker	Female
Eric	Brooks	7878 Spruce St	San Francisco	Engineer	Male
Shirley	James	7979 Ash St	San Francisco	Librarian	Female
Donald	Rice	8080 Hickory St	San Francisco	Student	Male
Janet	Cox	8181 Sycamore St	San Francisco	Teacher	Female
Kenneth	Henderson	8282 Chestnut St	San Francisco	Engineer	Male
Frances	Woods	8383 Elm St	San Francisco	Homemaker	Female
Paul	Barnes	8484 Oak St	San Francisco	Engineer	Male
Carol	Ross	8585 Pine St	San Francisco	Librarian	Female
Mark	Wagner	8686 Cedar St	San Francisco	Student	Male
Shirley	Chapman	8787 Birch St	San Francisco	Artist	Female
Gregory	Parker	8888 Maple St	San Francisco	Businessman	Male
Angela	Evans	8989 Walnut St	San Francisco	Homemaker	Female
Benjamin	Wells	9090 Spruce St	San Francisco	Engineer	Male
Stephanie	Reed	9191 Ash St	San Francisco	Librarian	Female
Jonathan	Cook	9292 Hickory St	San Francisco	Student	Male
Karen	Morgan	9393 Sycamore St	San Francisco	Teacher	Female
Matthew	Bell	9494 Chestnut St	San Francisco	Engineer	Male
Christina	Ward	9595 Elm St	San Francisco	Homemaker	Female
Anthony	Tucker	9696 Oak St	San Francisco	Engineer	Male
Kimberly	Black	9797 Pine St	San Francisco	Librarian	Female
Steven	Gray	9898 Cedar St	San Francisco	Student	Male
Heather	Wheeler	9999 Birch St	San Francisco	Artist	Female

**DEPARTMENT OF THE ARMY  
UNITED STATES ARMY RESERVE  
MILITARY CONSTRUCTION PROGRAM  
FY 1994 BUDGET ESTIMATES**



**APRIL 1993**

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Department of the Army  
Military Construction, Army Reserve - FY 1994  
Index of Locations  
(Dollars in Thousands)

<u>State/ County</u>	<u>Installation and Location Project Title</u>	<u>Auth/ Approp Amount</u>	<u>DD Form 1391 Page No.</u>
INSIDE THE UNITED STATES			
Alabama	Birmingham		
	Battle Projection Center	<u>4,719</u>	II-3
	Subtotal	4,719	
Alaska	Fort Richardson		
	Addition/Alteration to USAR Center/ Organizational Maintenance Shop/ Direct Support-General Support/Area Maintenance Support Activity/ Storage	<u>10,324</u>	II-7
	Subtotal	10,324	
Illinois	Argonne		
	USAR Center/Organizational Maintenance Shop	<u>10,381</u>	II-11
	Subtotal	10,381	
Louisiana	New Orleans		
	Land Acquisition	<u>645</u>	II-15
	Subtotal	645	
North Carolina	Morehead City		
	Addition/Alteration to USAR Center/Organizational Maintenance Shop/Area Maintenance Support Activity (Marine)	<u>9,335</u>	II-18
	Subtotal	9,335	

Department of the Army  
 Military Construction, Army Reserve - FY 1994  
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State/ County	Installation and Location Project Title	Auth/ Approp Amount	DD Form 1391 Page No.
Ohio	Columbus		
	USAR Center/Organizational Maintenance Shop/Area Maintenance Support Activity/Direct Support- General Support	<u>14,701</u>	II-23
	Subtotal	14,701	
South Carolina	Fort Jackson		
	USAR Center/Organizational Maintenance Shop/Direct Support	<u>10,428</u>	II-27
	Subtotal	10,428	
Washington	Fort Lewis		
	USAR Center/Area Maintenance Support Activity/Organizational Maintenance Shop/Equipment Concentration Site/Warehouse	<u>14,703</u>	II-32
	Subtotal	14,703	
	Subtotal Major Construction	75,236	
Support	Unspecified Minor Construction	2,100	II-34
	Planning and Design	<u>4,897</u>	II-35
	Grand Total Authorization/ TOA	82,233	



Department of the Army  
 Military Construction, Army Reserve - FY 1994  
 New Mission/Current Mission Listing  
 (Dollars in Thousands)

<u>Location</u>	<u>Project</u>	<u>Cost</u>	<u>New/ Current</u>
Birmingham, AL	Battle Projection Center	4,719	N
Ft Richardson, AK	Addition/Alteration to USAR Center/ Organizational Maintenance Shop/ Direct Support-General Support/ Area Maintenance Support Activity/ Storage	10,324	C
Argonne, IL	USAR Center/Organizational Maintenance Shop	10,381	C
New Orleans, LA	Land Acquisition	645	N
Morehead City, NC	Addition/Alteration to USAR Center/Organizational Maintenance Shop/Area Maintenance Support Activity (Marine)	9,335	N
Columbus, OH	USAR Center/Organizational Maintenance Shop/Area Maintenance Support Activity/Direct Support- General Support	14,701	C
Fort Jackson, SC	USAR Center/Organizational Maintenance Shop/Direct Support	10,428	N
Ft Lewis, WA	USAR Center/Area Maintenance Support Activity/Organizational Maintenance Shop/Equipment Concentration Site/Warehouse	14,703	C
	Total New Mission	25,127	
	Total Current Mission	50,109	
Various Locations	Unspecified Minor Construction	2,100	NA
	Planning and Design	4,897	NA
	Total	82,233	

DEPARTMENT OF THE ARMY  
JUSTIFICATION OF ESTIMATES FY 1994

APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, ARMY RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army Reserve as authorized by Chapter 133 of Title 10, United States Code and military construction Authorization Acts, \$82,233,000 (\$31,500,000) (1) (2), to remain available until September 30, 1998 (1997) (1) (2).

- (1) Insertion of FY 1994 request.
- (2) Deletion of FY 1993 appropriation.

16 MAR 93

Mil. Con., Army Reserve  
Program and Financing (in thousands of dollars)

Identification code	21-2088-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)		
		1992 actual	1993 est.	1994 est.
<b>Program by activities:</b>				
<b>Direct program:</b>				
00.0101	Major construction	99,889	28,890	75,238
00.0201	Minor construction	2,000	4,400	2,100
00.0301	Planning	8,500	8,900	4,887
10.0001	Total	110,389	42,190	82,233
<b>Financing:</b>				
17.0001	Recovery of prior year obligations			
21.4002	Unobligated balance available, start of year:			
21.4002	For completion of prior year budget plans	-3,120		
21.4009	Reprogramming from/to prior year budget plans			
24.4002	Unobligated balance available, end of year:			
24.4002	For completion of prior year budget plans	371		
25.0001	Unobligated balance expiring			
40.0001	Budget authority (Appropriation)	107,840	42,190	82,233
<b>Relation of obligations to outlays:</b>				
71.0001	Obligations incurred			
72.4001	Obligated balance, start of year			
74.4001	Obligated balance, end of year			
77.0001	Adjustments in expired accounts (net)			
78.0001	Adjustments in unexpired accounts			
90.0001	Outlays (net)			

16 MAR 93

Mil. Con., Army Reserve  
Program and Financing (in thousands of dollars)

		Obligations			
Identification code		21-2086-0-1-051	1992 actual	1993 est.	1994 est.
Program by activities:					
Direct program:					
00.0101	Major construction	86,184	57,878	71,896	
00.0201	Minor construction	836	4,927	2,046	
00.0301	Planning	7,088	7,461	6,852	
10.0001	Total	73,908	70,066	81,394	
Financing:					
17.0001	Recovery of prior year obligations	-874			
31.4002	Unobligated balance available, start of year:				
31.4002	For completion of prior year budget plans	-104,388	-138,318	-110,402	
31.4008	Reopportunity from/to prior year budget plans				
24.4002	Unobligated balance available, end of year:	138,318	110,402	111,241	
25.0001	For completion of prior year budget plans	371			
25.0001	Unobligated balance expiring				
40.0001	Budget authority (appropriation)	107,640	42,150	82,233	
Relation of obligations to outlays:					
71.0001	Obligations incurred	72,908	70,066	81,394	
72.4001	Obligated balance, start of year	60,736	87,755	90,486	
74.4001	Obligated balance, end of year	-87,785	-80,486	-47,379	
77.0001	Adjustments in expired accounts (net)	-197			
78.0001	Adjustments in unexpired accounts	-874			
90.0001	Outlays (net)	48,118	107,358	84,481	

16 MAR 92

Mil. Con., Army Reserve  
 Object Classification (in Thousands of dollars)

Identification code	21-2086-O-1-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
Personnel compensation:				
111.101	Full-time permanent	1,841	8,280	8,639
111.901	Total personnel compensation	1,841	8,280	8,639
112.101	Personnel Benefits: Civilian personnel	207	858	1,457
121.001	Travel and transportation of persons	106	232	594
122.001	Transportation of things	1		7
123.101	Rental payments to GSA	11	25	68
124.001	Printing and reproduction	65	32	214
Other services:				
125.204	Other	19,846	14,848	37,416
126.001	Supplies and materials	11	27	46
132.001	Land and structures	51,920	48,964	32,849
199.001	Total Direct obligations	73,906	70,066	81,394
999.901	Total obligations	73,906	70,066	81,394

MILITARY CONSTRUCTION, ARMY RESERVE  
FY 1994

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long and short term adverse degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

SPECIAL PROGRAM CONSIDERATIONS

(continued)

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

Reserve Potential

The Reserve potential to meet and maintain authorized strengths of all Reserve flying/nonflying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having Reserve flying/nonflying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those Reserve units.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places, except as noted on DD Form 1391.

Use of Excess Schools and Other Buildings

Considerations were made to utilize available commercial or academic buildings but none were suitable except as identified by specific projects in this request.

Placement of Reserve Component Units in Local Communities

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve units in the areas where units are to be located has been reviewed in accordance with the procedures described in DoD Directive 1225.7. It has been determined, in coordination with the other Military Departments



SPECIAL PROGRAM CONSIDERATIONS

(continued)

having Reserve units in the area, that the number of Reserve components presently located in the area, and those units having been allocated to this area for future activation, is not and shall not be larger than the number that reasonably may be maintained at authorized strength.

Facility Planning and Design Guide

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Resolution Trust Corporation Real Estate Assets

In accordance with guidance contained in Senate Report 101-384, page 282, all fiscal year 1994 projects have been screened against the Resolution Trust Corporation's (RTC) Real Estate Asset Inventory.

Congressional Reporting Requirements

The following paragraph, titled "Maintenance and Repair of Real Property," is in response to the Senate Appropriations Committee requirement contained on page 24 (Non-MILCON Construction Activities) of the Report #100-200 and page 1006 (Non-MILCON Construction activities), Senate and House Conference Report #100-498.

<u>Appropriation</u>	<u>Cost (\$000)</u>
Operation and Maintenance, Army Reserve	
- Maintenance and Repair	49.5
- Minor Construction	6.3

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93
3. INSTALLATION AND LOCATION Birmingham USARC #2, Birmingham, AL					4. AREA CONSTR COST INDEX 0.83
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 4 weekends/month; 2 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS USARC, Birmingham, AL - 9 miles USARC, Birmingham, AL - 10 miles ARNG Armory, Birmingham, AL - 9 miles ARNG Armory, Homewood, AL - 11 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE	
171-40	Battle Projection Center	37,804 SF	4,719	03/91	08/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.					
9. LAND ACQUISITION REQUIRED None				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT  USAR	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 93																											
3. INSTALLATION AND LOCATION  Birmingham USARC #2, Birmingham, AL																													
11. PERSONNEL STRENGTH AS OF Oct 92																													
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="text-align: center;">TOTAL</th> <th style="text-align: center;">PERMANENT OFFICER</th> <th style="text-align: center;">ENLISTED</th> <th style="text-align: center;">CIVILIAN</th> <th></th> <th style="text-align: center;">TOTAL</th> <th style="text-align: center;">GUARD/RESERVE OFFICER</th> <th style="text-align: center;">ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td style="text-align: center;">58</td> <td style="text-align: center;">12</td> <td style="text-align: center;">23</td> <td style="text-align: center;">23</td> <td></td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>ACTUAL</td> <td style="text-align: center;">46</td> <td style="text-align: center;">10</td> <td style="text-align: center;">19</td> <td style="text-align: center;">17</td> <td></td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> </table>		TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN		TOTAL	GUARD/RESERVE OFFICER	ENLISTED	AUTHORIZE	58	12	23	23		_____	_____	_____	ACTUAL	46	10	19	17		_____	_____	_____	
	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN		TOTAL	GUARD/RESERVE OFFICER	ENLISTED																					
AUTHORIZE	58	12	23	23		_____	_____	_____																					
ACTUAL	46	10	19	17		_____	_____	_____																					
12. RESERVE UNIT DATA																													
UNIT DESIGNATION	STRENGTH																												
	AUTHORIZED	ACTUAL																											
<p>This project will provide a Battle Projection Center to train the commanders and staffs of over 800 units (totaling 4,000 officers) in the Second U.S. Army area. Expected utilization is 50 weekends per year. There are 60 contractor support personnel in addition to the staff of the 87th Maneuver Area Command.</p>																													
13. MAJOR EQUIPMENT AND AIRCRAFT																													
TYPE	AUTHORIZED	ACTUAL																											
None																													
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																													
	(\$000)																												
Air Pollution	0																												
Water Pollution	0																												
Safety and Occupational Health	0																												

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION Birmingham USARC #2 Birmingham, AL			4. PROJECT TITLE Battle Projection Center		
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-08158	8. PROJECT COST (\$000) 4,719		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u> Battle Projection Center		SF	37804	90.00	3402 (3402)
<u>SUPPORTING FACILITIES:</u> Telecommunications		LS			838 ( 93)
Raised Computer Floor		SF	23080	15.00	( 346)
General		LS			( 392)
TOTAL CONSTRUCTION COST					4240
Contingencies (5.0%)					212
Supervision and Administration (6.0%)					267
TOTAL PROJECT COST					4719
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a new two-story training building for a Battle Projection Center (BPC). The building will be permanent construction with reinforced concrete grade beams on caisson foundations, concrete floor slabs, and brick veneer exterior walls to match the existing training building. It will include electrical systems, mechanical systems, raised computer floors, security alarm/intrusion detection, and remote/keypad access operated doors for physical security. Supporting facilities will include retaining wall, paving, site improvements, and extension of utilities to serve the project. Air Conditioning: 120 Tons					
11. REQUIREMENT: 37,804 SF Adequate: 0 SF Substandard: 0 SF PROJECT: Construct a new building at the existing U.S. Army Reserve Center for a Battle Projection Center (BPC). (New Mission) REQUIREMENT: This project provides a BPC with computer work stations, computer room, telecommunications, administrative, educational, storage, and support areas to train the commanders and staffs of over 800 units (totaling 4,000 officers) in the Second U.S. Army area. The BPC houses the equipment and staff to run Combined Arms Command-Training simulations that give commanders and their staffs high quality, cost effective training. It has three sets of Brigade/Battalion Battle Simulation equipment and one set of Corps Battle Simulation equipment (total 57 work stations, 20 minicomputers, and one mainframe computer). The BPC staff runs computer simulations transmitted over telephone lines to the training units, which remain at home station. This supplements traditional field exercises and makes effective use of available training time for USAR units. The project provides a permanent training complex for the organization, planning, execution, and control of these simulation					

1. COMPONENT  USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE  APR 93																								
3. INSTALLATION AND LOCATION Birmingham USARC #2 Birmingham, AL																										
4. PROJECT TITLE Battle Projection Center	5. PROJECT NUMBER CAR 94-08158																									
<p>activities for all units the 87th Maneuver Area Command (MAC) supports. CURRENT SITUATION: The 87th MAC will receive four sets of battle simulation equipment over a period of three fiscal years, beginning in FY 1993. The 87th MAC is now filling the additional personnel positions authorized for the BPC's. There is insufficient facility space to permanently house this equipment, the personnel, and the operational functions of a BPC without degrading the other training missions of the 87th MAC. The first set of equipment (10 work stations and 5 mini-computers) will become operational in the existing training building as a temporary measure by displacing other elements, causing overcrowding until this project is complete. The Corps of Engineers has screened Resolution Trust Corporation properties and found three in Birmingham, AL., that are either too small or excessively large for this project's requirements. IMPACT IF NOT PROVIDED: The existing facility lacks the space to operate effectively as a permanent BPC. The simulation equipment would have to be located elsewhere, requiring new construction at that location. The attendant personnel turbulence would keep the simulation equipment either inoperative or operative at reduced efficiency for an extended period. The simulations will not be available to maintain training standards as constrained budgets reduce mass travel for traditional exercises.</p>																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design data:</p> <p>(1) Status:</p> <p>(a) Date Design Started.....03/91</p> <p>(b) Percent Complete as of Jan 93..... 65</p> <p>(c) Date Design 35% Complete.....07/92</p> <p>(d) Date Design Complete.....08/93</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - No</p> <p>(b) Where Design was Mostly Recently Used - N/A</p> <p>(3) Total (c) = (a) + (b) or (d) + (e) : (\$000)</p> <p>(a) Production of Plans and Specifications ( 388)</p> <p>(b) All Other Design Costs.....( 240)</p> <p>(c) Total.....( 628)</p> <p>(d) Contract.....( 140)</p> <p>(e) In-house.....( 488)</p> <p>(4) Construction start.....01/94</p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated Or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Furniture</td> <td>OMAR</td> <td>1994</td> <td>187</td> </tr> <tr> <td>Wire Partitions</td> <td>OMAR</td> <td>1994</td> <td>15</td> </tr> <tr> <td>Metal Lockers</td> <td>OMAR</td> <td>1994</td> <td>2</td> </tr> <tr> <td>Shelving</td> <td>OMAR</td> <td>1994</td> <td>6</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td>210</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)	Furniture	OMAR	1994	187	Wire Partitions	OMAR	1994	15	Metal Lockers	OMAR	1994	2	Shelving	OMAR	1994	6	Total			210
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)																							
Furniture	OMAR	1994	187																							
Wire Partitions	OMAR	1994	15																							
Metal Lockers	OMAR	1994	2																							
Shelving	OMAR	1994	6																							
Total			210																							

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Fort Richardson, AK				4. AREA CONSTR COST INDEX 1.92	
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 3 weekends/month; 3 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS USAF, Elmendorf AFB, AK - 2 miles AK-ARNG, Camp Carrol, AK - 3 miles AK-ARNG, Camp Denali, AK - 4 miles USNR, Anchorage, AK - 10 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE	
171-40	Add/Alt USARC/OHS/DS-GS/ AMSA/Storage	52,234 SF	10,324	01/88	07/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>19 May 92</u> Joint Service Reserve Component Facility Board for possible (Date) joint use/expansion. The board recommends unilateral construction.					
9. LAND ACQUISITION REQUIRED None				<u>0</u> (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					



1. COMPONENT  USAR	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 93
3. INSTALLATION AND LOCATION  USAR Center, Fort Richardson, AK		
11. PERSONNEL STRENGTH AS OF Mar 93		
	PERMANENT <u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u> <u>CIVILIAN</u>	GUARD/RESERVE <u>TOTAL</u> <u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZE	29   6   17   6	337   37   300
ACTUAL	27   6   15   6	317   43   274
12. RESERVE UNIT DATA		
ASGD/AUTH 94%	STRENGTH	
UNIT DESIGNATION	AUTHORIZED	ACTUAL
DET 1, 1984 USA HOSPITAL	34	58
AK SAT, 4960 USARF SCHOOL	10	7
CO A (-), 813 EN BEN (C) (H)	85	82
HSC, 813 ENGR BN (C) (H)	<u>208</u>	<u>170</u>
Totals	337	317
13. MAJOR EQUIPMENT AND AIRCRAFT		
TYPE	AUTHORIZED	ACTUAL
Wheeled Vehicles	152	73
Trailers	74	25
Tracked Vehicles	<u>11</u>	<u>8</u>
Totals	237	106
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES		
	(\$000)	
Air Pollution	0	
Water Pollution	0	
Safety and Occupational Health	0	



1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center Fort Richardson, AK			4. PROJECT TITLE Add/Alt/USARC/OMS/DS-GS/AMSA/ Storage		
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-01494	8. PROJECT COST (\$000) 10,324		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITIES:</b>					<b>7585</b>
Training Building		SF	34551	151.94	(5250)
Maintenance Building Addition		SF	11491	162.24	(1864)
Maintenance Building Alteration		SF	6192	76.00	( 471)
<b>SUPPORTING FACILITIES:</b>					<b>1691</b>
Site Improvement		LS			( 275)
Telecommunications		LS			( 62)
Paving		LS			( 209)
Lighting		LS			( 50)
Site Preparation and Demolition		LS			( 250)
Site Utilities		LS			( 612)
Storm Drainage & Fencing		LS			( 56)
Trees (Replacement)		LS			( 20)
Information Systems (Fiber Optic)		LS			( 157)
TOTAL CONSTRUCTION COST					9276
Contingencies (5.0%)					464
Supervision and Administration (6.0%)					584
TOTAL PROJECT COST					10324
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construction will be a single story, concrete slab-on-grade flooring, masonry and steel structure with protected membrane roof system complete with an integrated site development. Air Conditioning: 0 Tons					
11. REQUIREMENT: 52,234 SF Adequate: 0 SF Substandard: 6,192 SF					
PROJECT: Add to and alter the existing maintenance facility and construct new training center with storage space. (Current Mission)					
REQUIREMENT: This facility will support and accommodate a support group headquarters, engineer battalion (-), and detachments from a United States Army Reserve Forces school and United States Army hospital with adequate administration space, unit and individual training areas and storage areas. Included in the project is an assembly hall, learning center, library, classrooms, instructor classrooms, arms vault with arms maintenance area, kitchen and dining facility, supply storage and parking for privately owned vehicles. The maintenance facility will support authorized Organizational Maintenance Shop (OMS) services, Direct Support-General Support (DS-GS) and Area Maintenance Support Activity (AMSA) with 13 maintenance bays, maintenance administration space, tools and parts storage, battery storage and charging, flammable material storage, overhead lifting capabilities and an expanded Military Equipment Park (MEP).					
CURRENT SITUATION: The existing facilities are overcrowded and inadequate for the authorized troop population. The existing training facility is situated in the vicinity of an environmentally impacted site which does not allow for expansion or alteration. Deficiencies include lack of provisions for the handicapped, insufficient unit and individual storage space when considering arctic conditions and insufficient administration					

1. COMPONENT <b>USAR</b>	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APR 93</b>																												
3. INSTALLATION AND LOCATION <b>USAR Center Port Richardson, AK</b>																														
4. PROJECT TITLE <b>Add/Alt/USARC/OMS/DS-GS/AMSA/ Storage</b>		5. PROJECT NUMBER <b>CAR 94-01494</b>																												
<p>space. Storage space currently provided by the support installation is scheduled for demolition FY 92. The inadequacies in training and administration space, insufficient vehicle and maintenance facilities and inadequate supply and storage space adversely impact upon unit mission and training. The existing maintenance facility limits training and the units' ability to perform required maintenance services during periods of inclement weather. Adequate heating and ventilation do not support full utilization of the existing maintenance facility by unit personnel. Building number 45590, Ft Richardson, AK, 9,675 square feet, constructed in 1943, to be demolished in conjunction with this project. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project.</p> <p>IMPACT IF NOT PROVIDED: Units will not be able to secure, store or maintain unit and individual equipment or conduct training to meet readiness and mobilization objectives. Without adequate maintenance facilities, equipment and vehicles will not be maintained properly.</p>																														
<p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 20px;">a. Estimated Design data:</p> <p style="margin-left: 40px;">(1) Status:</p> <p style="margin-left: 80px;">(a) Date Design Started.....<u>01/88</u></p> <p style="margin-left: 80px;">(b) Percent Complete as of Jan 93.....<u>65</u></p> <p style="margin-left: 80px;">(c) Date Design 35% Complete.....<u>06/92</u></p> <p style="margin-left: 80px;">(d) Date Design Complete.....<u>07/93</u></p> <p style="margin-left: 40px;">(2) Basis:</p> <p style="margin-left: 80px;">(a) Standard or Definitive Design - No</p> <p style="margin-left: 80px;">(b) Where Design was Mostly Recently Used - <u>N/A</u></p> <p style="margin-left: 40px;">(3) Total (c) = (a) + (b) or (d) + (e) : (\$000)</p> <p style="margin-left: 80px;">(a) Production of Plans and Specifications (<u>0</u>)</p> <p style="margin-left: 80px;">(b) All Other Design Costs.....(<u>0</u>)</p> <p style="margin-left: 80px;">(c) Total.....(<u>865</u>)</p> <p style="margin-left: 80px;">(d) Contract.....(<u>150</u>)</p> <p style="margin-left: 80px;">(e) In-house.....(<u>715</u>)</p> <p style="margin-left: 40px;">(4) Construction start.....<u>03/94</u></p> <p style="margin-left: 20px;">b. Equipment associated with this project which will be provided from other appropriations:</p>																														
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated Or Requested</th> <th style="text-align: right;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Furniture</td> <td>OMAR</td> <td>1995</td> <td style="text-align: right;">254</td> </tr> <tr> <td>Kitchen Equipment</td> <td>OMAR</td> <td>1994</td> <td style="text-align: right;">86</td> </tr> <tr> <td>Wire Partitions</td> <td>OMAR</td> <td>1994</td> <td style="text-align: right;">178</td> </tr> <tr> <td>Dehumidifier</td> <td>OMAR</td> <td>1994</td> <td style="text-align: right;">5</td> </tr> <tr> <td>Shelving</td> <td>OMAR</td> <td>1994</td> <td style="text-align: right;">99</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td style="text-align: right;">622</td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)	Furniture	OMAR	1995	254	Kitchen Equipment	OMAR	1994	86	Wire Partitions	OMAR	1994	178	Dehumidifier	OMAR	1994	5	Shelving	OMAR	1994	99	Total			622
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)																											
Furniture	OMAR	1995	254																											
Kitchen Equipment	OMAR	1994	86																											
Wire Partitions	OMAR	1994	178																											
Dehumidifier	OMAR	1994	5																											
Shelving	OMAR	1994	99																											
Total			622																											

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL				4. AREA CONSTR COST INDEX 1.01	
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 3 weekends/month; 5 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS AFRC, Joliet, IL - 13 miles ARNG, Joliet, IL - 14 miles USAR, Joliet, IL - 12 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
171-40	USARC/OMS	84,376 SF	10,381	09/91	06/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the 16 Sep 92 Joint Service Reserve Component Facility Board for possible (Date) joint use/expansion. The board recommends unilateral construction.					
9. LAND ACQUISITION REQUIRED None				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT  USAR	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 93															
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL																	
11. PERSONNEL STRENGTH AS OF Oct 92																	
	<table border="0" style="width: 100%;"> <tr> <th></th> <th colspan="3">PERMANENT</th> <th colspan="3">GUARD/RESERVE</th> </tr> <tr> <th></th> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>TOTAL</th> <th>OFFICER</th> <th>ENLISTED</th> </tr> </table>		PERMANENT			GUARD/RESERVE				TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED	
	PERMANENT			GUARD/RESERVE													
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED										
AUTHORIZE	68	17	20	31	526	117	409										
ACTUAL	67	17	19	31	520	106	414										
12. RESERVE UNIT DATA																	
ASGD/AUTH 99%				STRENGTH													
UNIT DESIGNATION				AUTHORIZED	ACTUAL												
HHC 416 ENCOM				253	250												
416TH TDA (AUG) FAC ENGR				49	50												
HSC 863 EN BN				224	220												
Totals				526	520												
13. MAJOR EQUIPMENT AND AIRCRAFT																	
TYPE				AUTHORIZED	ACTUAL												
Wheeled Vehicles				127	127												
Trailers				50	50												
Tracked Vehicles				6	6												
Totals				183	183												
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																	
				(\$000)													
Air Pollution				0													
Water Pollution				0													
Safety and Occupational Health				0													

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL			4. PROJECT TITLE USARC/OMS		
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-00082	8. PROJECT COST (\$000) 10,381		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITIES:</b>					
Training Building	SF	70296	93.43	7829 (6568)	
Maintenance Building	SF	14080	89.58	(1261)	
<b>SUPPORTING FACILITIES:</b>					
Site Improvement	LS			( 957)	
Telecommunications	LS			( 100)	
Paving	SY	7175	27.35	( 196)	
Lighting	LS			( 52)	
Military Equipment Park	SY	7050	27.35	( 193)	
TOTAL CONSTRUCTION COST				9327	
Contingencies (5.0%)				466	
Supervision and Administration (6.0%)				588	
TOTAL PROJECT COST				10381	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct a 600-member USAR center with Organizational and Direct Support Maintenance Shop. The project will construct a two-story, split faced masonry structure with a reinforced concrete slab and a one story masonry structure on a reinforced concrete slab for the Organizational Maintenance Shop. Air Conditioning: 80 Tons					
11. REQUIREMENT: 84,376 SF Adequate: 0 SF Substandard: 0 SF					
PROJECT: Construct a 600-member USAR center and Organizational Maintenance Shop. (Current Mission)					
REQUIREMENT: This project is required to provide adequate training facilities for HHC, 416th ENCOM, 416th TDA (AUG) and HSC, 863d EN BN. The new facility will satisfy the administrative, storage, classroom, training, assembly hall and kitchen requirements normally associated with reserve units. In addition, this facility will satisfy the special mission requirements of the 416th ENCOM for a drafting room, photo lab, map storage room, soils lab and classified work area. Special laboratory training space will be provided for the facilities for the performance of routine maintenance required at the unit level and the DS shop will support the Logistics Mission Performance Training Program of HSC, 863d EN BN.					
CURRENT SITUATION: Current facilities in use are four overcrowded USAR centers with the HHC, 416th ENCOM and 416th FE TDA (AUG) located in a grossly inadequate facility. This facility provides approximately 50% of their authorized total space requirements and is critically short of administrative, storage, classroom and special training areas. The assembly hall is utilized for common administrative and classroom functions in addition to its normal uses. The classrooms, rifle range,					



1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL		
4. PROJECT TITLE USARC/OMS		5. PROJECT NUMBER CAR 94-00082

locker room and supply rooms have been converted to administrative space. There is no space available to conduct the special training functions of soils testing, drafting and photo laboratory operations. The Organizational Maintenance Shop has been converted to unit storage and military vans and land/sea containers are also utilized for unit storage. Privately Owned Vehicle parking is grossly inadequate, forcing unit members to park in the street, in adjacent lots or wherever space is available. The parking area for military vehicles is also severely limited. The MSC, 863d EN BN is housed in facilities that are grossly inadequate for the training mission of a combat engineer unit and the (DS) mission. Execution of this project not only provides improved facilities for the 3 units included, but also for another 19 units which will remain or backfill existing facilities. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project.

IMPACT IF NOT PROVIDED: With the continued use of substandard facilities, the units will not be able to properly conduct training exercises and be prepared to meet their readiness and mobilization objectives. The lack of special training areas required by the units will continue to adversely impact on the skill qualifications of the soldiers.

12. SUPPLEMENTAL DATA:

a. Estimated Design data:

(1) Status:

(a) Date Design Started.....09/91

(b) Percent Complete as of Jan 93.....65

(c) Date Design 35% Complete.....09/92

(d) Date Design Complete.....06/93

(2) Basis:

(a) Standard or Definitive Design - No

(b) Where Design Was Most Recently used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....( 10)

(b) All Other Design Costs.....( 49)

(c) Total.....( 50)

(d) Contract.....( 0)

(e) In-house.....( 0)

(4) Construction start.....04/94

b. Equipment associated with this project which will be provided from other appropriations:

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Argonne, IL			
4. PROJECT TITLE USARC/OMS		5. PROJECT NUMBER CAR 94-00082	
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furniture	OMAR	1995	400
Kitchen Equipment	OMAR	1994	100
Wire Partitions	OMAR	1994	45
Metal Lockers	OMAR	1994	15
Dehumidifier	OMAR	1994	3
Shelving	OMAR	1994	5
Total			568



1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93
3. INSTALLATION AND LOCATION New Orleans, LA				4. AREA CONSTR COST INDEX 0.89	
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 3 weekends/month; 2 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS Diamond USARC, New Orleans - 2 miles Fleming USARC, New Orleans - 3 miles US Navy Spt Act, New Orleans - 10 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE	
1911	Land Acquisition	9.4 AC	645	N/A	N/A
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction					
9. LAND ACQUISITION REQUIRED Fee				01 Dec 92 (Date) 9.40 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION New Orleans, LA			4. PROJECT TITLE Land Acquisition		
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 1911	7. PROJECT NUMBER CAR 94-01534	8. PROJECT COST (\$000) 645		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u> Land Acquisition		AC	9.4		<u>645</u> ( 645 )
10. DESCRIPTION OF PROPOSED CONSTRUCTION Land will provide 9.4 acres for a new USARC to house three units now in a leased facility and one unit now located in an overcrowded government owned facility. An Organizational Maintenance Shop (OMS) and an Area Maintenance Support Activity (AMSA) will be constructed.					
11. REQUIREMENT: 9.4 AC Adequate: 0 AC Substandard: 0 AC					
<p>PROJECT: Acquire 9.4 acres of land in FY 94 to support construction of a new USARC/OMS/AMSA in FY 99. (New mission)</p> <p>REQUIREMENT: An MCAR project is programmed for construction of a new 400-member USARC/OMS/AMSA in FY 99.</p> <p>CURRENT SITUATION: The existing Fleming USARC houses eight units. Relocating the 630th QM to the proposed new USARC will alleviate overcrowded conditions at Fleming USARC. The 410th Per Svc Co., 348th P &amp; A and 4152nd USARF School are in a leased facility with 34,000 square feet costing \$221,500 per year. No drill halls, kitchens, arms vaults, Military Equipment Parking or OMS are available. Physical security of weapons and vehicles continues to be a major problem at the leased facility.</p> <p>IMPACT IF NOT PROVIDED: Not funding the land acquisition could result in the loss of the proposed site, delay construction and extend the lease.</p>					

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Morehead City, NC				4. AREA CONSTR COST INDEX 0.83	
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 1 weekend/month; 2 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS NCG Armory, Morehead City, NC - 4 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE	
171-40	Add/Alt USARC/OMS AMSA (Marine)	39,007 SF	9,335	03/86	08/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>09 Dec 92</u> Joint Service Reserve Component Facility Board for possible (Date) joint use/expansion. The board recommends unilateral construction.					
9. LAND ACQUISITION REQUIRED Fee title				<u>0.66</u> (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT  USAR	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 93																								
3. INSTALLATION AND LOCATION  USAR Center, Morehead City, NC																										
11. PERSONNEL STRENGTH AS OF Oct 92																										
	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;"></th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> <th style="width: 15%; text-align: center;">CIVILIAN</th> <th style="width: 15%; text-align: center;">TOTAL</th> <th style="width: 15%; text-align: center;">OFFICER</th> <th style="width: 15%; text-align: center;">ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td style="text-align: center;">21</td> <td style="text-align: center;">1</td> <td style="text-align: center;">4</td> <td style="text-align: center;">16</td> <td style="text-align: center;">157</td> <td style="text-align: center;">25</td> <td style="text-align: center;">132</td> </tr> <tr> <td>ACTUAL</td> <td style="text-align: center;">19</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> <td style="text-align: center;">15</td> <td style="text-align: center;">139</td> <td style="text-align: center;">24</td> <td style="text-align: center;">115</td> </tr> </table>		TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED	AUTHORIZE	21	1	4	16	157	25	132	ACTUAL	19	1	3	15	139	24	115	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED																			
AUTHORIZE	21	1	4	16	157	25	132																			
ACTUAL	19	1	3	15	139	24	115																			
12. RESERVE UNIT DATA																										
ASGD/AUTH 894																										
UNIT DESIGNATION	AUTHORIZED	ACTUAL																								
824 TRANS CO (HVV BOAT)	157	139																								
AMSA 128 (M) (MARINE)	0 *	0																								
Totals	157	139																								
<p>* AMSA 128 (M) has a table of Distribution and Allowances (TDA) authorization of fourteen full time civilian positions and provides maintenance support for the 824 TRANS CO boats.</p>																										
13. MAJOR EQUIPMENT AND AIRCRAFT																										
TYPE	AUTHORIZED	ACTUAL																								
Wheeled Vehicles	6	6																								
Trailers	6	6																								
Total	12	12																								
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
Air Pollution	0																									
Water Pollution	0																									
Safety and Occupational Health	0																									

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center, Morehead City, NC			4. PROJECT TITLE Add/Alt USARC/OMS/AMSA (Marine)		
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-00478	8. PROJECT COST (\$000) 9,335		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
<b>PRIMARY FACILITIES:</b>					
Training Building	SF	16128	93.01	6507 (1500)	
Training Building Alteration	SF	9679	46.03	( 446)	
Maintenance Building	SF	13200	89.87	(1186)	
Piers, Berths And Bulkheads	LS			(3375)	
				1881	
<b>SUPPORTING FACILITIES:</b>					
Site Improvement	LS			( 76)	
Telecommunications	LS			( 34)	
Paving	LS			(105)	
Dredging	CY	166500	4.56	( 759)	
Demolition	LS			( 304)	
Site Preparation	LS			( 32)	
Environmental Mitigation	LS			( 76)	
Utilities	LS			(312)	
Temporary Lease For Construction	LS			(183)	
TOTAL CONSTRUCTION COST				8388	
Contingencies (5.0%)				419	
Supervision and Administration (6.0%)				528	
TOTAL PROJECT COST				9335	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Add a two-story training building and a one-story vehicle maintenance shop to the existing U.S. Army Reserve Center. The buildings are permanent construction with reinforced concrete foundations, concrete floor slabs, load-bearing masonry exterior walls, single-ply EPDM membrane over insulated steel deck on steel joists, mechanical systems, and electrical systems. Alter the existing training building for storage by changing interior partitions, erecting storage cages, and providing new mechanical systems. Demolish existing unit maintenance, Area Maintenance Support Activity, and storage buildings. Construct new piers, bulkheads, and boat berths. Demolish an existing pier and bulkhead. Air Conditioning: 38 Tons					
11. REQUIREMENT: 39,007 SF Adequate: 0 SF Substandard: 11,453 SF PROJECT: Add to and alter the existing U.S. Army Reserve Center (USARC) with Organizational Maintenance Shop (OMS) and Area Maintenance Support Activity (AMSA). (New Mission) REQUIREMENT: This project will provide a 150-member training facility with administrative areas, classroom, library, learning center, assembly hall, arms vault, kitchen, and unit storage for one U.S. Army Reserve unit. The maintenance shop will provide space for training to accomplish organizational maintenance and for daily boat maintenance by the AMSA. The training building first floor and the maintenance building offices will be above the 100 year flood level. The berths will provide mooring space for boats operated by the unit. The project will also provide parking space for military and privately owned vehicles. CURRENT SITUATION: The site and buildings are a former commercial boat yard purchased in 1972. Existing facilities include a training building,					

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Morehead City, NC		
4. PROJECT TITLE Add/Alt USARC/OHS/AMSA (Marine)		5. PROJECT NUMBER CAR 94-00478
<p>a storage building, a small house, and four small buildings used for unit maintenance and the AMSA. The center is deficient in administrative, educational, assembly, maintenance, and parking space. Unit members must park privately owned vehicles on narrow city streets because parking area is severely limited at the center. There is insufficient berthing space for the five new Landing Craft, Utility (LCU) 2000 series boats the unit is receiving for force modernization. The LCU 2000 boats are 29% longer and 45% wider than the LCU 1600 series boats previously fielded to the unit. Excavation of new berthing space and construction of new piers (650 LF) and bulkheads (1160 LF) are needed to comply with North Carolina guidelines on pier encroachment in navigable waters and to upgrade anchorage for the larger boats (174 FT long by 42 FT wide). Upgraded anchorage will enable boats to remain moored during a hurricane. This requires demolition of an existing bulkhead (460 LF) and pier (180 LF). The existing training building will be altered for unit and AMSA storage. The existing house, storage building, AMSA, and unit maintenance buildings will be demolished (10,740 SF). Acquisition of an additional 0.66 acres of adjacent land for this project is ongoing to comply with restrictions by the state on the filling of public waters and wetlands. The state will also require environmental mitigation of approximately 6 acres for loss or conversion of estuarine bottoms and for loss of wetlands. The boats and AMSA must relocate off site to a temporary leased facility during construction. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project. IMPACT IF NOT PROVIDED: The site cannot support the five new boats being fielded to the unit without this project. Other commercial waterfront property is not readily available for acquisition by the USAR. Second U.S. Army examined alternate government-owned sites within North Carolina but found them to be unacceptable due to excessive development and dredging costs. The unit may have to relocate outside of the Second U.S. Army area (southeast United States). Relocation of the unit would disrupt mission capability of the unit for an extended period of time through the loss of personnel. Key personnel require years of experience to qualify to operate these boats.</p>		
12. SUPPLEMENTAL DATA:		
a. Estimated Design data:		
(1) Status:		
(a) Date Design Started.....03/86		
(b) Percent Complete as of Jan 93.....65		
(c) Date Design 35% Complete.....05/92		
(d) Date Design Complete.....08/93		
(2) Basis:		
(a) Standard or Definitive Design- No		
(b) Where Design Was Most Recently Used N/A		
(3) Total cost (c) = (a) + (b) or (d) + (e) : (\$000)		
(a) Production of Plans and Specifications....(0)		
(b) All Other Design Costs.....(0)		
(c) Total.....(803)		
(d) Contract.....(132)		



1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Morehead City, NC			
4. PROJECT TITLE Add/Alt USARC/OMS/AMSA (Marine)		5. PROJECT NUMBER CAR 94-00478	
<p>(e) In-house.....(671)</p> <p>(4) Construction start.....01/94</p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p>			
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost (\$000)
Furniture	OMAR	1995	111
Kitchen Equipment	OMAR	1994	100
Wire Partitions	OMAR	1994	87
Metal Lockers	OMAR	1994	2
Dehumidifier	OMAR	1994	1
Shelving	OMAR	1994	30
Totals			331



1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Columbus, OH			4. AREA CONSTR COST INDEX 0.97
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 3 weekends/month; 4 nights/week Full-Time Personnel - 5 days/week			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS USNR, Columbus, OH - 9 miles USARC, Columbus, OH - 4 miles USARC, Columbus, OH - 6 miles ARNG Armory, Columbus, OH - 10 miles			
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
			DESIGN STATUS START COMPLETE
171-40	USARC/OMS/AMSA DS-GS	155,542 SF	14,701 12/87 10/91
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction. 10 Jun 92 (Date)			
9. LAND ACQUISITION REQUIRED None			0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS None			

1. COMPONENT  USAR	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 93																								
3. INSTALLATION AND LOCATION  USAR Center, Columbus, OH																										
11. PERSONNEL STRENGTH AS OF Oct 92																										
	<table border="0" style="width: 100%;"> <tr> <th></th> <th style="text-align: center;">TOTAL</th> <th style="text-align: center;">PERMANENT OFFICER</th> <th style="text-align: center;">ENLISTED</th> <th style="text-align: center;">CIVILIAN</th> <th style="text-align: center;">TOTAL</th> <th style="text-align: center;">GUARD/RESERVE OFFICER</th> <th style="text-align: center;">ENLISTED</th> </tr> <tr> <td>AUTHORIZE</td> <td style="text-align: center;">110</td> <td style="text-align: center;">20</td> <td style="text-align: center;">40</td> <td style="text-align: center;">50</td> <td style="text-align: center;">1144</td> <td style="text-align: center;">201</td> <td style="text-align: center;">943</td> </tr> <tr> <td>ACTUAL</td> <td style="text-align: center;">113</td> <td style="text-align: center;">20</td> <td style="text-align: center;">39</td> <td style="text-align: center;">54</td> <td style="text-align: center;">1019</td> <td style="text-align: center;">191</td> <td style="text-align: center;">828</td> </tr> </table>		TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED	AUTHORIZE	110	20	40	50	1144	201	943	ACTUAL	113	20	39	54	1019	191	828	
	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED																			
AUTHORIZE	110	20	40	50	1144	201	943																			
ACTUAL	113	20	39	54	1019	191	828																			
12. RESERVE UNIT DATA																										
ASGD/AUTH 89%																										
UNIT DESIGNATION	AUTHORIZED	STRENGTH ACTUAL																								
83RD ARCOM	254	241																								
9TH JAG DET (MLA) M	26	27																								
368TH PA DET	5	6																								
367TH PA DET	13	13																								
326TH MH DET	3	2																								
2078TH USARF SCHOOL	134	81																								
307TH MED GP	52	123																								
758TH MAINT CO	275	179																								
828TH MAINT DET	7	4																								
837TH MAINT DET	16	11																								
870TH MAINT DET	18	11																								
347TH PERS SVC CTR	176	161																								
325TH FIN CTR	93	90																								
338TH BAND	45	43																								
375TH MP CO	27	27																								
Totals	1144	1019																								
13. MAJOR EQUIPMENT AND AIRCRAFT																										
TYPE	AUTHORIZED	ACTUAL																								
Wheeled Vehicles	145	145																								
Trailers	61	61																								
Tracked Vehicles	207	207																								
Totals	413	413																								
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																										
	(\$000)																									
Air Pollution	0																									
Water Pollution	0																									
Safety and Occupational Health	0																									

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center Columbus, OH			4. PROJECT TITLE USARC/OMS/AMSA/DS-GS			
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40		7. PROJECT NUMBER CAR 94-00245		8. PROJECT COST (\$000) 14,701
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITIES:</u>					<u>10842</u>	
Training Building		SF	101712	73.05	(7430)	
Maintenance Building		SF	27242	79.29	(2160)	
Warehouse		SF	26588	47.09	(1252)	
<u>SUPPORTING FACILITIES:</u>					<u>2367</u>	
Site Improvement		LS			(439)	
Telecommunications		LS			(139)	
Paving		SY	18860	27.35	(516)	
Lighting		LS			(272)	
Loading Dock		LS			(47)	
Military Equipment Park		SY	24966	27.35	(683)	
Utilities		LS			(271)	
TOTAL CONSTRUCTION COST					13209	
Contingencies (5.0%)					660	
Supervision and Administration (6.0%)					<u>832</u>	
TOTAL PROJECT COST					14701	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>This project will provide construction of a new two-story, splitfaced ribbed block masonry training building, a one story maintenance shop and one story metal siding storage facility. The project will include site development, private auto and military equipment parking and all utilities required to support the facilities. Air Conditioning: 119 Tons</p>						
11. REQUIREMENT: 155,542 SF Adequate: 0 SF Substandard: 0 SF						
<p>PROJECT: Construct an 800-member U.S. Army Reserve center, Organizational Maintenance Shop, Army Maintenance Support Activity (AMSA) and Direct Support/General Support (DS-GS) shop with privately owned vehicles (POV) and military equipment parking. (Current Mission)</p> <p>REQUIREMENT: This facility will provide facilities support for six units consisting of a U.S. Army Reserve Command headquarters, four maintenance units, a military police company and a medical group headquarters. The training facility will provide the required administrative space, small library, learning centers, arms vault, arms maintenance area, dining facilities, storage areas and assembly hall. The maintenance shop will provide equipment work bays, a supervisory office space, administrative area, tool and parts room, a battery storage and charging room and flammable storage area. Military equipment and POV parking will be provided.</p> <p>CURRENT SITUATION: Units currently occupy two government owned USAR centers, two existing buildings at Fort Hayes and four leased facilities. These facilities are grossly overcrowded and do not provide sufficient administrative area, training space and equipment storage space for unit and individual equipment. The buildings are poorly insulated with outdated, inefficient heating plants which are expensive to operate. The</p>						

1. COMPONENT <b>USAR</b>	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APR 93</b>																																
3. INSTALLATION AND LOCATION <b>USAR Center Columbus, OH</b>																																		
4. PROJECT TITLE <b>USARC/OHS/AMSA/DS-GS</b>	5. PROJECT NUMBER <b>CAR 94-00245</b>																																	
<p>facilities provide minimal space for classrooms, storage of training manuals and other learning materials. Areas to conduct individual skill training are limited. Insufficient space has required the Army to lease off-site facilities to satisfy unit equipment and storage. A leased facility that provides 80,431 square feet will be eliminated upon completion of this project. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project.</p> <p>IMPACT IF NOT PROVIDED: The assigned units will continue to suffer from poor administrative support affecting the retention and recruiting of unit members. Insufficient classrooms and training facilities will severely impact on the individual skill qualifications of the individual soldier and the abilities of the units to train for wartime missions. Shortages of storage, maintenance and military equipment parking areas will continue to waste valuable training time traveling between the various locations off-site.</p>																																		
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design data:</p> <p>(1) Status:</p> <p>(a) Date Design Started.....<u>12/87</u></p> <p>(b) Percent Complete as of Jan 93.....<u>100</u></p> <p>(c) Date Design 35% Complete.....<u>07/89</u></p> <p>(d) Date Design Complete.....<u>10/91</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - No</p> <p>(b) Where Design Was Most Recently Used <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e) : (\$000)</p> <p>(a) Production of Plans and Specifications....(<u>725</u>)</p> <p>(b) All Other Design Costs.....(<u>130</u>)</p> <p>(c) Total.....(<u>855</u>)</p> <p>(d) Contract.....(<u>5</u>)</p> <p>(e) In-house.....(<u>850</u>)</p> <p>(4) Construction start.....<u>04/94</u></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u> <u>Nomenclature</u></th> <th style="text-align: left;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u></th> <th style="text-align: right;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Furniture</td> <td>OMAR</td> <td>1995</td> <td style="text-align: right;">778</td> </tr> <tr> <td>Kitchen Equipment</td> <td>OMAR</td> <td>1994</td> <td style="text-align: right;">52</td> </tr> <tr> <td>Wire Partitions</td> <td>OMAR</td> <td>1994</td> <td style="text-align: right;">299</td> </tr> <tr> <td>Metal Lockers</td> <td>OMAR</td> <td>1994</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Dehumidifier</td> <td>OMAR</td> <td>1994</td> <td style="text-align: right;">2</td> </tr> <tr> <td>Shelving</td> <td>OMAR</td> <td>1994</td> <td style="text-align: right;">65</td> </tr> <tr> <td><b>Totals</b></td> <td></td> <td></td> <td style="text-align: right;"><u>1200</u></td> </tr> </tbody> </table>			<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Furniture	OMAR	1995	778	Kitchen Equipment	OMAR	1994	52	Wire Partitions	OMAR	1994	299	Metal Lockers	OMAR	1994	4	Dehumidifier	OMAR	1994	2	Shelving	OMAR	1994	65	<b>Totals</b>			<u>1200</u>
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>																															
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1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE APR 93
3. INSTALLATION AND LOCATION USARC (Jackson Blvd), Ft Jackson, SC		4. AREA CONSTR COST INDEX 0.82	
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 3 weekends/month; 5 nights/week Full-Time Personnel - 5 days/week			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS ARNG Armory, Columbia, SC - 10 miles USAR Center, Ft. Jackson (Boyden Arbor) - 2 miles USAR Center, Ft. Jackson (Lee Road) - 4 miles USAR Center, Columbia, SC - 10 miles			
7. PROJECTS REQUESTED IN THIS PROGRAM			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
171-40	USARC/OMS/DS	101,856	10,428
			06/86
			06/92
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>15 Oct 92</u> Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.			
9. LAND ACQUISITION REQUIRED None			0 (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS None			

1. COMPONENT  USAR	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 93																							
3. INSTALLATION AND LOCATION USARC (Jackson Blvd), Ft Jackson, SC																									
11. PERSONNEL STRENGTH AS OF Oct 92																									
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	TOTAL	PERMANENT OFFICER	ENLISTED	CIVILIAN	TOTAL	GUARD/RESERVE OFFICER	ENLISTED																		
AUTHORIZE	36	4	22	10	800	223	577																		
ACTUAL	36	4	22	10	715	184	531																		
12. RESERVE UNIT DATA																									
ASGD/AUTH 89%	STRENGTH																								
UNIT DESIGNATION	AUTHORIZED	ACTUAL																							
HHC, 360th CA BDE	132	124																							
175th MAINT CO	276	221																							
12th JA DET	87	55																							
3270th USA HOSP (750 BED)	178	200																							
3287th USARF SCHOOL	<u>127</u>	<u>115</u>																							
Totals	800	715																							
13. MAJOR EQUIPMENT AND AIRCRAFT																									
TYPE	AUTHORIZED	ACTUAL																							
Wheeled Vehicles	76	76																							
Trailers	62	62																							
Tracked Vehicles	<u>1</u>	<u>1</u>																							
Totals	139	139																							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																									
	(\$000)																								
Air Pollution	0																								
Water Pollution	0																								
Safety and Occupational Health	0																								



1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center (Jackson. Blvd) Ft. Jackson SC		4. PROJECT TITLE USARC/OMS/DS		
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-01376	8. PROJECT COST (\$000) 10,428	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITIES:</b>				
Training Building	SF	68489	71.52	7705 (4898)
Maintenance Building	SF	25565	91.25	(2333)
Warehouse	SF	7802	60.80	(474)
				<b>1665</b>
<b>SUPPORTING FACILITIES:</b>				
Site Improvement	LS			(153)
Telecommunications	LS			(90)
Paving	SY	45511	12.75	(580)
Site Preparation	LS			(53)
Utilities	LS			(474)
Fencing	LF	2500	17.89	(45)
Storm Drainage	LF	4355	54.65	(238)
Demolition	LS			(32)
TOTAL CONSTRUCTION COST				9370
Contingencies (5.0%)				468
Supervision and Administrative (6.0%)				590
TOTAL PROJECT COST				10428
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Construct a new two-story training building, a new one-story vehicle maintenance shop, and a new one-story warehouse. The buildings will be permanent construction with reinforced concrete foundations, concrete floor slabs, structural steel frames, masonry veneer exterior walls, standing seam metal roof with cementitious insulating deck, mechanical systems, and electrical systems. Supporting facilities will include demolition of existing structures, paving, fencing, wash rack with oil/water separator, site improvements, and extension of utilities to serve the project. <u>Air Conditioning: 120 Tons.</u>				
11. REQUIREMENT: 101,856 SF Adequate: 0 SF Substandard: 44,796 SF				
PROJECT: Construct a new U.S. Army Reserve Center (USARC) with Organizational and Direct Support Maintenance Shops, and a warehouse. (New Mission)				
REQUIREMENT: This project will provide an 800-member training facility with administrative areas, classroom, library, learning center, assembly hall, arms vault, kitchen, and unit storage functions for five U.S. Army Reserve units. The maintenance shop will provide space to train maintenance personnel to accomplish organizational and direct support vehicle maintenance. The warehouse will provide space to receive, inventory, recover and store direct support repair parts. Additionally, there will be adequate parking for all military and privately owned vehicles.				
CURRENT SITUATION: There are three U.S. Army Reserve centers on Fort Jackson, SC and a leased facility in Columbia, SC. The USAR Center at Forest Drive must be vacated because the property has been declared excess, and Fort Jackson is selling the property to private developers.				



1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center (Jackson. Blvd) Ft. Jackson SC		
4. PROJECT TITLE USARC/OMS/DS		5. PROJECT NUMBER CAR 94-01376
<p>The USAR Center at Boyden Arbor Road is expanding in FY 1992 to accommodate eleven units, including six units displaced from the Forest Drive Center. A new USAR Center will be constructed on a 28.8 acre site at Fort Jackson (Jackson Boulevard) to accommodate three units displaced from the Forest Drive Center, one unit located in the overcrowded Lee Road Center, and one unit located in the substandard leased facility. The leased facility is an old truck terminal located ten miles from Fort Jackson. It is deficient in administrative, classroom, secure storage, and latrine space. There is no library or learning center to support training. There is no kitchen for food service personnel. The maintenance area is deficient in administrative, parts/tools storage, battery/flammable storage, and latrine space. A crane is not available in the building to lift heavy components. Equipment must be sent to the support installation for repair, although unit personnel could do it, if adequate facilities were available. Facility offsets are the Forest Drive center with OMS (19,607 SF) being disposed of as excess, and termination of the lease (25,162 SF). The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this project.</p> <p>IMPACT IF NOT PROVIDED: Severe overcrowding will continue in facilities at the Lee Road Center (Fort Jackson) and the leased facility in Columbia. Acquisition of temporary World War II buildings on Fort Jackson, or additional leased facilities, will be necessary to relocate 120th ARCOM units from the Forest Drive Center. The lack of adequate maintenance facilities will continue to delay repair of unit equipment.</p>		
12. SUPPLEMENTAL DATA:		
a. Estimated Design data:		
(1) Status:		
(a) Date Design Started.....06/86		
(b) Percent Complete as of Jan 93.....100		
(c) Date Design 35% Complete.....10/87		
(d) Date Design Complete.....06/92		
(2) Basis:		
(a) Standard or Definitive Design - No		
(b) Where Design Was Most Recently Used <u>N/A</u>		
(3) Total cost (c) = (a) + (b) or (d) + (e) : (\$000)		
(a) Production of Plans and Specifications....( 620)		
(b) All Other Design Costs.....( 546)		
(c) Total.....(1166)		
(d) Contract.....( 48)		
(e) In-house.....(1118)		
(4) Construction start.....01/94		
b. Equipment associated with this project which will be provided from other appropriations:		

1. COMPONENT USAR	FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center (Jackson. Blvd) Ft. Jackson SC			
4. PROJECT TITLE USARC/OMS/DS		5. PROJECT NUMBER CAR 94-01376	
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Furniture	OMAR	1995	533
Kitchen Equipment	OMAR	1994	49
Wire Partitions	OMAR	1994	286
Dehumidifier	OMAR	1994	1
Shelving	OMAR	1994	60
Total			929

1. COMPONENT USAR	FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE APR 93
3. INSTALLATION AND LOCATION USAR Center, Ft. Lewis, WA				4. AREA CONSTR COST INDEX 1.10	
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 3 weekends/month; 3 nights/week Full-Time Personnel - 5 days/week					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS US Army, Ft. Lewis, WA - 0 miles WAARNG, Tacoma, WA - 15 miles USAR Center, Tacoma, WA - 20 miles USNR Center, Tacoma, WA - 20 miles					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE	
171-40	USARC/AMSA/OMS/ECS/Whse	106,582 SF	14,703	01/86	02/93
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>16 Apr 92</u> Joint Service Reserve Component Facility Board for possible <u>(Date)</u> joint use/expansion. The board recommends unilateral construction.					
9. LAND ACQUISITION REQUIRED None				0 (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS None					

1. COMPONENT  USAR	<b>FY 1994 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  APR 93																							
3. INSTALLATION AND LOCATION  USAR Center, Ft. Lewis, WA																									
11. PERSONNEL STRENGTH AS OF Oct 92																									
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	TOTAL	OFFICER	PERMANENT ENLISTED	CIVILIAN	TOTAL	OFFICER	GUARD/RESERVE ENLISTED																		
AUTHORIZE	30	2	15	13	920	189	731																		
ACTUAL	18	2	7	9	997	184	813																		
12. RESERVE UNIT DATA																									
ASGD/AUTH 108%	STRENGTH																								
UNIT DESIGNATION	AUTHORIZED	ACTUAL																							
3 BN, 104 TSB, 104 DIV	179	164																							
4 BN, 104 TSB, 104 DIV	134	126																							
4 IN BDE, 104 DIV	50	37																							
413 IN REGT, 2 BN, CO B	22	31																							
413 IN REGT, 2 BN, CO D	22	31																							
415 IN REGT, 2 BN, CO A	22	17																							
415 IN REGT, 2 BN, CO B	22	23																							
415 IN REGT, 2 BN, CO C	22	31																							
415 IN REGT, 2 BN, CO D	22	31																							
415 IN REGT, 2 BN, CO E	22	22																							
415 IN REGT, 2 BN, HQ	14	23																							
CO A, 50 GEN HOSP	125	171																							
300 TC DET MOVE CONT	48	51																							
307 MI CO CI INTER	91	94																							
448 CA CO	125	145																							
Totals	920	997																							
13. MAJOR EQUIPMENT AND AIRCRAFT																									
TYPE	AUTHORIZED	ACTUAL																							
Wheeled Vehicles	67	20																							
Trailers	28	0																							
Tracked Vehicles	12	12																							
Totals	107	32																							
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES																									
	(\$000)																								
Air Pollution	0																								
Water Pollution	0																								
Safety and Occupational Health	0																								

1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APR 93	
3. INSTALLATION AND LOCATION USAR Center, Ft Lewis, WA			4. PROJECT TITLE USARC/AMSA/OMS/ECS/Whse			
5. PROGRAM ELEMENT 55994A		6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 94-00787		8. PROJECT COST (\$000) 14,703	
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
<b>PRIMARY FACILITIES:</b>				<b>9536</b>		
Training Building	SF	57450	93.80	(5389)		
Maintenance Building	SF	11132	146.00	(1625)		
Warehouse	SF	38000	66.38	(2522)		
<b>SUPPORTING FACILITIES:</b>				<b>3674</b>		
Site Improvement	LS			( 457)		
Telecommunications	LS			( 101)		
Paving	SY	44000	31.84	(1400)		
Lighting	LS			( 90)		
Wash Racks	LS			( 23)		
Utilities/Loading Ramp/Hardstand	LS			( 707)		
Site Preparation & Fencing	LS			( 596)		
Information Systems (Fiber Optic)	LS			( 300)		
<b>TOTAL CONSTRUCTION COST</b>				<b>13210</b>		
Contingencies (5.0%)				661		
Supervision and Administration (6.0%)				832		
<b>TOTAL PROJECT COST</b>				<b>14703</b>		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>This project will provide a new training center, maintenance shop and warehouse complete with an integrated site development. Construction will be a masonry and steel frame structure with a built-up roofing system.</p> <p><u>Air Conditioning: 95 Tons</u></p>						
11. REQUIREMENT: 106,582 SF Adequate: 0 SF Substandard: 0 SF						
<p>PROJECT: Construct an 800-member USAR Center (USARC), Organizational Maintenance Shop (OMS), Area Maintenance Support Activity (AMSA) and Equipment Concentration Site (ECS) and warehouse. (Current Mission)</p> <p>REQUIREMENT: This facility will provide adequate training facilities for the assigned units and provide space to conduct training as an integral unit as well as the development of team work necessary for readiness. Unit personnel require functional and organizational space to conduct unit administration, training and storage of weapons, equipment and supplies. Assembly and classroom spaces are required to support the training missions of the various units. The standard design kitchen will provide hot meals to the soldiers during drill weekends as well as augment the training of the units cooks. Maintenance and hands-on type maintenance training will be conducted in the six-bay OMS and AMSA facility. Project provides sufficient parking areas for a military equipment park (MEP) and privately owned vehicles (POV).</p> <p>CURRENT SITUATION: Current facilities are World War II barracks type buildings scheduled for demolition. The existing facilities do not meet minimum standards and requirements for a USAR Center, ECS storage and lack many of the required OSHA safety standards to function as a repair and maintenance facility. The Corps of Engineers has screened Resolution Trust Corporation (RTC) properties and found none available for this</p>						

1. COMPONENT <b>USAR</b>	<b>FY 1994 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE <b>APR 93</b>
3. INSTALLATION AND LOCATION <b>USAR Center, Ft Lewis, WA</b>		
4. PROJECT TITLE <b>USARC/AMSA/OMS/ECS/Whse</b>	5. PROJECT NUMBER <b>CAR 94-00787</b>	

project.  
**IMPACT IF NOT PROVIDED:** Without this project, the current substandard facilities will continue to impact significantly upon morale and the various units' ability to conduct effective, realistic and meaningful training to meet their readiness and mobilization missions.

12. SUPPLEMENTAL DATA:

a. Estimated Design data:

(1) Status:

(a) Date Design Started.....01/86

(b) Percent Complete as of Jan 93.....95

(c) Date Design 35% Complete.....11/87

(d) Date Design Complete.....02/93

(2) Basis:

(a) Standard or Definitive Design - No

(b) Where Design Was Most Recently Used N/A

(3) Total cost (c) = (a) + (b) or (d) + (e) : (\$000)

(a) Production of Plans and Specifications.....(623)

(b) All Other Design Costs.....(436)

(c) Total.....(1059)

(d) Contract.....(0)

(e) In-house.....(1059)

(4) Construction start.....01/94

b. Equipment associated with this project which will be provided from other appropriations:

Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u>	Cost <u>(\$000)</u>
Furniture	OMAR	1995	334
Kitchen Equipment	OMAR	1994	40
Wire Partitions	OMAR	1994	76
Metal Lockers	OMAR	1994	18
Dehumidifier	OMAR	1994	3
Shelving	OMAR	1994	<u>18</u>
Total			489

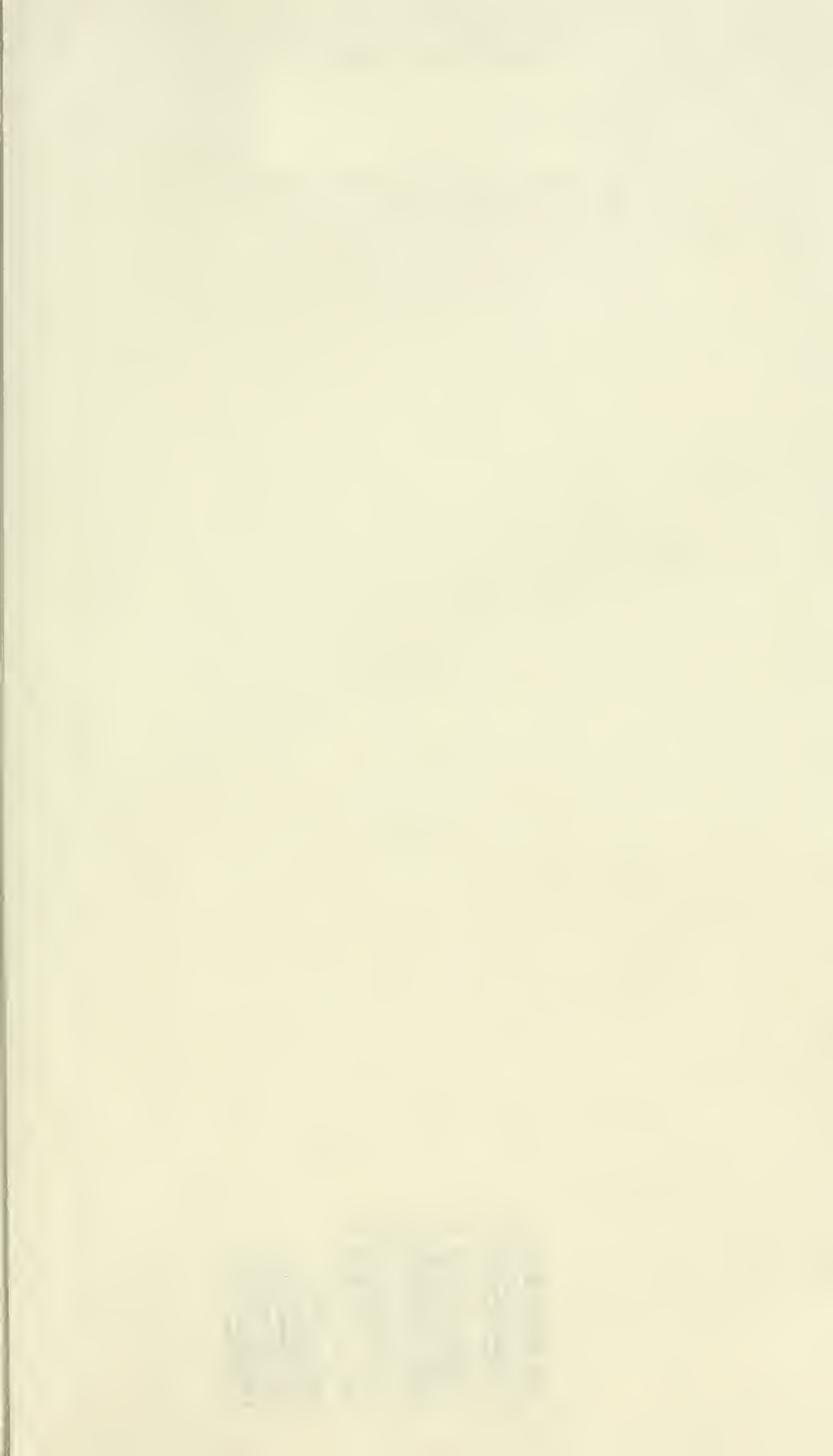


1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION Various Locations			4. PROJECT TITLE Unspecified Minor Construction		
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER N/A		8. PROJECT COST (\$000) 2,100	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
Unspecified Minor Construction		LS			2,100
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION</p> <p>Provide a lump sum for unspecified minor construction projects, not otherwise authorized by law, having a funded cost not to exceed \$400,000, including construction, alterations or conversion of permanent or temporary facilities, in accordance with 10 USC 2233 and 2233a.</p> <hr/> <p>11. <u>REQUIREMENT:</u> This program provides the means of accomplishing projects not exceeding \$400,000 that are not now identified, but which are anticipated to arise during FY 94 to satisfy critical, unforeseen mission requirements.</p> <p><u>CURRENT SITUATION:</u> During FY 94, the USAR will undergo numerous conversions and restructuring. Many urgent facilities requirements not now identified may arise, required on an urgent basis to support the arrival and redistribution of equipment. Unforeseen and urgent environmental requirements to meet the state and federal laws are also typical projects that must be accomplished.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Deterioration of facilities beyond a useful life. Security problems, low retention, and lost training space are by products of poor facilities; increased utility costs and leases result. Lost flexibility to fund at this level insures greater project scope and costs later.</p>					



1. COMPONENT USAR		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APR 93	
3. INSTALLATION AND LOCATION Appropriate USAR Installations as Necessary			4. PROJECT TITLE Planning and a Design		
5. PROGRAM ELEMENT 55994A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER N/A	8. PROJECT COST (\$000) 44,897		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
Various Locations		LS			4,897
10. DESCRIPTION OF PROPOSED CONSTRUCTION Prepare engineer drawings and specifications necessary to support projects to be constructed as part of the Military Construction Army Reserve program.					
11. <u>REQUIREMENT:</u> To provide for design of necessary construction projects that support the Reserve mission.					





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